

Canada



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and Oceans

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et Océans

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sciences
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The *Canadian Journal of Fisheries and Aquatic Sciences* has been published continuously since 1901, previously as *Contributions to Canadian Biology* 1901–25, *Contributions to Canadian Biology and Fisheries* 1926–34, *Journal of the Biological Board of Canada* 1934–37, and *Journal of the Fisheries Research Board of Canada* 1938–79.

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The *Journal* publishes original research articles and notes, critical reviews, Perspectives (essays of opinion or hypothesis), comments, and book reviews. Papers may concern cells, organisms, populations, ecosystems, or processes that affect aquatic production systems, and they should lead to identifiable conclusions or synthesis, which variously may amplify, modify, question, or redirect accumulated knowledge embodied in contemporary perceptions of a particular state of fisheries and aquatic sciences. They should demonstrate clearly a contribution to knowledge beyond the confirmatory state. Originality should relate to more than the particular (a certain year, place, taxon, or chemical compound) such that existing understanding is reformulated or extended.

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Publié sans interruption depuis 1901, le *Journal canadien des sciences halieutiques et aquatiques* a paru sous plusieurs titres : *Contributions to Canadian Biology* 1901–25, *Contributions to Canadian Biology and Fisheries* 1926–34, *Journal of the Biological Board of Canada* 1934–37 et *Journal de l'office des recherches sur les pêcheries du Canada* 1938–79.

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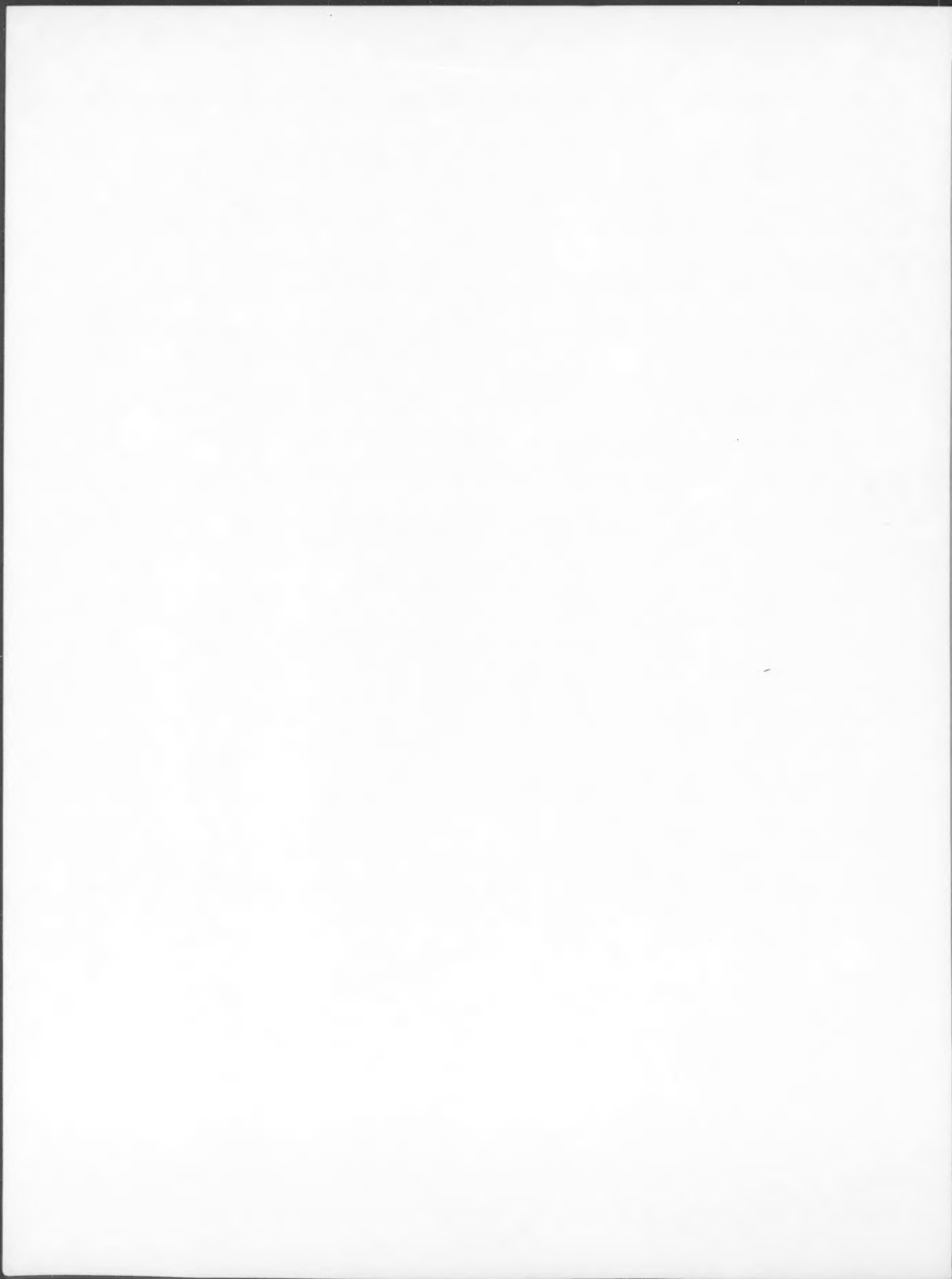
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PREFACE/PRÉFACE

In 1968, the Fisheries Research Board of Canada published Bulletin 164, a subject-author index and list of its publications to 1964. Miscellaneous Special Publication 18, covering the period 1965 to 1972, was published in 1973. Between 1973 and 1976, annual subject-author indexes and lists of publications were published as separate issues of the Journal.

Since 1977, the annual index has contained a subject index, an author index, and a list of publications. Entries in the subject index consist of an entry term, a number of modifying terms, if required, and a taxonomic or common name and a geographic term, if appropriate. Entry terms and, wherever possible, modifying terms are selected from the *Aquatic sciences and fisheries thesaurus*, ASFIS Reference Series No.6. However, it is sometimes necessary to use modifying terms not found in the *Thesaurus* to convey adequately all concepts. The principal authority for taxonomic and common names for Canadian and American marine and freshwater fishes is *A list of common and scientific names of fishes from the United States and Canada* (4th ed., 1980), Special Publication No.12 of the American Fisheries Society. Where authors have used names or spellings not conforming to those recommended, entry terms for such names are included, referring to the recommended names under which documents are indexed.

En 1968, l'Office des recherches sur les pêcheries du Canada publiait le bulletin no 164 qui constituait un index des matières et des auteurs, ainsi qu'une liste de ses publications jusqu'à 1964. Le no 18 des Publications diverses spéciales, visant la période de 1965 à 1972, a paru en 1973. Entre 1973 et 1976, on a publié chaque année un index des matières et des auteurs ainsi qu'une liste des publications dans un numéro distinct du Journal.

Depuis 1977, l'index annuel comprend un répertoire des matières et des auteurs et une liste des publications. Les notices de l'index des matières sont composées d'un terme d'entrée, d'un certain nombre de termes modificatifs si nécessaire, ainsi que d'une désignation taxonomique ou d'une appellation courante et d'un terme géographique au besoin. Les termes d'entrée et, dans la mesure du possible, les termes modificatifs sont choisis d'après l'*Aquatic sciences and fisheries thesaurus*, no 6 de la série de référence d'ASFIS. Cependant, il est parfois nécessaire d'utiliser des termes modificatifs qu'on ne trouve pas dans le *Thesaurus* pour exprimer convenablement tous les concepts. Le principal ouvrage qui fasse autorité en ce qui concerne les appellations communes et taxonomiques des espèces de poisson d'eaux douces et marines des États-Unis et du Canada est intitulé *A list of common and scientific names of fishes from the United States and Canada* (4e édition, 1980), Publication spéciale no 12 de l'American Fisheries Society. Quand un auteur utilise des désignations ou un orthographe différents des formes recommandées, on inclut les termes d'entrée pour ces noms en renvoyant aux noms recommandés sous lesquels les documents sont indexés.

ABBREVIATIONS

Publications

- J - Canadian Journal of Fisheries and Aquatic Sciences
SP - Canadian Special Publication of Fisheries and Aquatic Sciences
B - Canadian Bulletin of Fisheries and Aquatic Sciences
AR - Annual Report
TF - Canadian Technical Report of Fisheries and Aquatic Sciences
MF - Canadian Manuscript Report of Fisheries and Aquatic Sciences
DF - Canadian Data Report of Fisheries and Aquatic Sciences
IF - Canadian Industry Report of Fisheries and Aquatic Sciences
TH - Canadian Technical Report of Hydrography and Ocean Sciences
DH - Canadian Data Report of Hydrography and Ocean Sciences
CH - Canadian Contractor Report of Hydrography and Ocean Sciences
TS - Canadian Translation of Fisheries and Aquatic Sciences

R. - Reprinted
Rev. - Revised
F. - French

Geographic abbreviations

- | | |
|-------------------------|--------------------------------|
| Alta. - Alberta | N.W.T. - Northwest Territories |
| B.C. - British Columbia | Ont. - Ontario |
| Man. - Manitoba | P.E.I. - Prince Edward Island |
| N.B. - New Brunswick | Que. - Quebec |
| Nfld. - Newfoundland | Sask. - Saskatchewan |
| N.S. - Nova Scotia | Y.T. - Yukon Territory |

The names of states in the United States of America are abbreviated according to the *CBE Style Manual*.

- | | |
|-----------------|----------------|
| Atl. - Atlantic | Pac. - Pacific |
| I. - Island | R. - River |
| L. - Lake | |

Certain geographic areas have their major subdivisions designated by N(north), S(south), E(east), W(west), NW(northwest), NE(northeast), etc.

ABRÉVIATIONS

Publications

- J - Journal canadien des sciences halieutiques et aquatiques
SP - Publication spéciale canadienne des sciences halieutiques et aquatiques
B - Bulletin canadien des sciences halieutiques et aquatiques
AR - Rapport annuel
TF - Rapport technique canadien des sciences halieutiques et aquatiques
MF - Rapport manuscrit canadien des sciences halieutiques et aquatiques
DF - Rapport statistique canadien des sciences halieutiques et aquatiques
IF - Rapport canadien à l'industrie sur les sciences halieutiques et aquatiques
TH - Rapport technique canadien sur l'hydrographie et les sciences océaniques
DH - Rapport statistique canadien sur l'hydrographie et les sciences océaniques
CH - Rapport canadien des entrepreneurs sur l'hydrographie et les sciences océaniques
TS - Traduction canadienne des sciences halieutiques et aquatiques

R. - réimprimé
Rev. - révisé
F. - français

Abréviations de noms géographiques

- | | |
|-----------------------------|------------------------------------|
| Alta. - Alberta | N.W.T. - Territoires du Nord-Ouest |
| B.C. - Colombie-Britannique | Ont. - Ontario |
| Man. - Manitoba | P.E.I. - Ile-du-Prince-Édouard |
| N.B. - Nouveau-Brunswick | Que. - Québec |
| Nfld. - Terre-Neuve | Sask. - Saskatchewan |
| N.S. - Nouvelle-Écosse | Y.T. - Territoire du Yukon |

Les abréviations des noms des états des États-Unis sont tirées du *CBE Style Manual*.

- | | |
|-------------------|------------------|
| Atl. - Atlantique | Pac. - Pacifique |
| I. - Ile | R. - Rivière |
| L. - Lac | |

Certaines régions géographiques ont leurs principales subdivisions indiquées de la façon suivante : N(nord), S(sud), E(est), W(ouest), NW(nord-ouest), NE(nord-est), etc.

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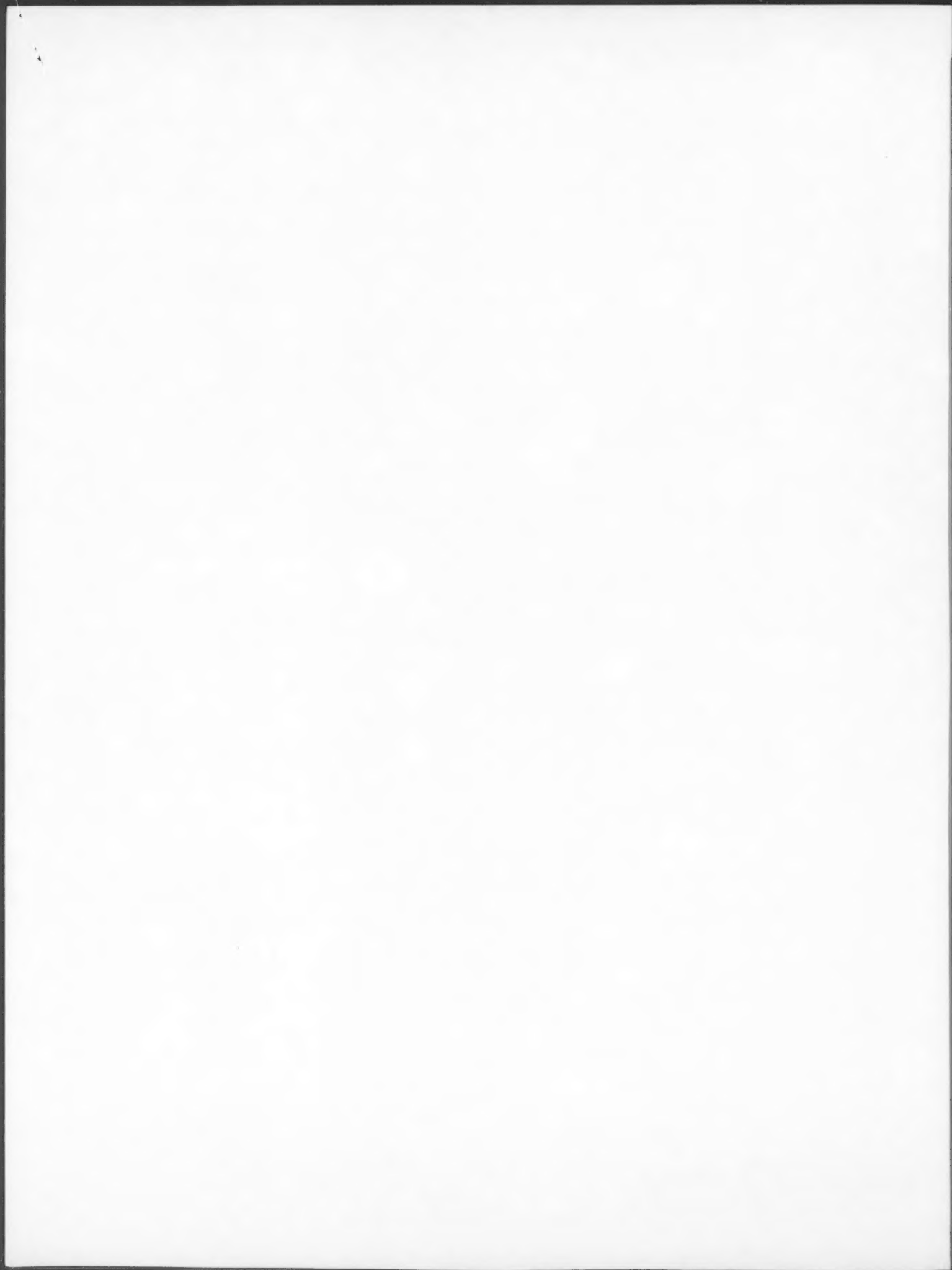
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 643(1) (fish food, chemical analysis, Pacific salmon, B.C.)
 647 (animal reproductive organs, feeding experiments, kelp, Japanese sea urchin, Hokkaido, Japan)
 TS 5244 (pollution effects, rainbow trout, Archipelagic Sea, Finland)
 5251 (effluents, pollution control)
 5252 (fish farms, pollution effects, benthos, Sipoo Bay, Finland)
 5267 (pollution effects, fish farms, Finland)
 5268 (pollution effects, fish farms, Archipelagic Sea, Finland)
 5269 (fish culture, pollution control planning, Finland)
 5271 (fish culture, pollution control, Finland)
 5272 (fish farms, Finland)
 5273 (effluents, phosphorus, rainbow trout, Finland)
 5274 (fish culture, licenses, Finland)
 5275 (fish culture, licensing, Finland)
 5276 (pollution control, phosphorus, Finland)
 5283 (fish farms, sociological effects, Finland)
 5284 (seed collection, scallop, Japan)
 5290 (seed production, scallop, Japan)
 5291 (seed production, scallop, Japan)
 5292 (seed production, scallop, Japan)
 5293

- 5294 (seed production, scallop, Japan)
 5295 (seed production, scallop, Japan)
 5296 (seed production, scallop, Japan)
 5297 (seed production, induced breeding, scallop, Japan)
 5300 (introduced species, parasitic diseases, *Myxosoma cerebralis*, California trout, Yugoslavia)
 5319 (techniques, economic analysis, American lobster, Magdalen Is., Que.)
 5320 (seed collection, scallop, Japan)
 5324 (employment, fish farming, Norway)
 5329 (population genetics, sex reversal, rainbow trout, Japan)
 5332 (water temperature, tolerance, embryos, Atlantic salmon)
- AQUATIC PLANTS**
 J 44(3) : 591 (feeding behavior, crayfishes, WI)
 (4) : 732 (biomass, echosounders, Que.)
 (9) : 1666 (surface waves, water depth, lakes, S Que.)
 (10) : 1759 (vertical distribution, latitudinal variations, lakes) (benthic surveys, interspecific relationships, green sea urchin, N.S.)
 TF 1546 (vegetation mapping, spawning grounds, Pacific herring, Vancouver I., B.C.)
- ARCTIC**
 B 216 (life cycle, ringed seal, W Arctic)
 TF 1491 (food chains, interspecific relationships, marine mammals, Arctic cod)
 DF 558 (feeding behavior, stomach content, phytoplankton, zooplankton, Frobisher Bay)
 575 (check lists, abundance, phytoplankton, Frobisher Bay)
 624 (seasonal distribution, seasonal abundance, walrus, Hudson Strait)
 DH 5(13:1) (biological oceanography, data, narwhal, white whale, bowhead whale, killer whale, Northwest Passage)
 (13:2) (biological oceanography, data, whales, Northwest Passage)
 (14) (physical oceanography, data, Northwest Passage)
 39(2) (physical oceanography, hydrographic data, Northwest Passage)
 (3) (water temperature, salinity, Northwest Passage)
 51(1) (current measurement, sea level measurement, Northwest Passage)
 (2) (current measurement, sea level measurement, Northwest Passage)
 (3) (current measurement, sea level measurement, Northwest Passage)
 CH 28 (ice, morphology, acoustics)
- Argopecten purpuratus* (see SCALLOP, PERUVIAN)
- AUKLET, CASSIN'S** (*Ptychoramphus aleuticus*)
 TH 93 (growth, plankton feeders, B.C.)
Aurelia aurita (see JELLYFISH)
- B**
- BACTERIA**
 J 44(1) : 167 (pollution effects, waste water, Saint Louis R., Que.)
 (2) : 368 (bacterial diseases, disease transmission, *Aerococcus viridans* var. *homari*, American lobster, Magdalen Is., Que.)
 (5) : 1064 (acidification, aluminum, leaf degradation)
 DH 5(9) (biological oceanography, Beaufort Sea)
 TS 5289 (fish diseases, diets, yellowtail)
 5306 (microbiological analysis, fishery products, *Vibrio parahaemolyticus*, Japan)
- Baetis* (see EPHEMEROPTERA)
- Balaena mysticetus* (see WHALE, BOWHEAD)
- BALTIC SEA**
 TS 5315 (vertical distribution, mysids)
 5317 (vertical migrations, diurnal variations, crustaceans)
- Barbidrilus paucisetus* (see OLIGOCHAETA)
- BARBOURISIA RUFA** (Cetominiformes)
 TS 5250 (geographical distribution, new records, Indian Ocean)
- BASS, SMALLMOUTH** (*Micropterus dolomieu*)
 J 44(S2) : 229 (sport fishing, stock assessment, evaluation, L. Opeongo, Ont.)
- BEAUFORT SEA; BEAUFORT SEA SHELF**
 TF 1500 (statistical sampling, aerial surveys, bowhead whale)
 DF 614 (feeding behavior, stomach content, copepods, Arctic cod, Beaufort Sea Shelf)
 635 (fishery surveys, biological data, fishes, Phillips Bay)
 661 (oceanographic data, Beaufort Sea Shelf)
 DH 5(9) (biological oceanography, bacteria, plankton)
 (10) (biological oceanography, whales)
 (11) (biological oceanography, zoobenthos)
 (12) (physical oceanography, data, Amundsen Gulf)
- BEHAVIOR**
 J 44(2) : 348 (swimming, velocity, pink salmon, Fraser R., Thompson R., B.C.)

- : 478 (reproductive behavior, environmental effects, *Hyallela azteca*, Canadian Shield lakes, Ont.)
- (4) : 832 (water motion, distribution, *Ephemera inermis*, *Baetis tricaudatus*, Pembina R., Alta.)
- (7) : 1343 (locomotion, stratified flow, juveniles, chinook salmon)
- (8) : 1390 (avoidance reactions, camouflage, juveniles, brook trout, Ont.)
- TF 1511 (avoidance reactions, purse seines, sockeye salmon, B.C.)
- 1512 (acidification, behavioral responses, *Acroneuria lyctorias*)
- 1558 (settling behavior, colonization, rivers, invertebrates, Nfld.)
- TS 5255 (hawl-out behavior, harbor seal, Iceland)

BENTHOS

- J 44(3) : 515 (indicator species, long-term changes, L. Michigan)
- TF 1487 (check lists, L. Huron, Georgian Bay, Ont.)
- 1537 (check lists, benthic invertebrates, Ungava Bay, Que.)
- 1561 (check lists, invertebrates, Westfield R., N.S.)
- DF 612 (biological sampling, Campbell R. estuary, Discovery Passage, Vancouver I., B.C.)
- TH 84 (geographical distribution, population number, invertebrates, Boundary Bay, Mud Bay, B.C.)
- 85 (geographical distribution, population number, invertebrates, off SW Vancouver I., B.C.)
- 88 (check lists, biomass, invertebrates, Hecate Strait, NE Pac.)
- 89 (pollution, mining, invertebrates, Alice Arm, B.C.)
- TS 5267 (pollution effects, fish farms, Sipoo Bay, Finland)

BERING SEA

- J 44(6) : 1143 (population number, annual variation, tanner crabs, S Bering Sea)
- (11) : 1972 (diet, cannibalism, walleye pollock, E Bering Sea)

BIOGEOGRAPHY

- J 44(3) : 556 (genetic variation, postglacial dispersal, northern pike, North America)

BLOATER (*Coregonus hoyi*)

- J 44(2) : 467 (predation, food availability, larvae, alewife)

BLUEGILL (*Lepomis macrochirus*)

- J 44(9) : 1629 (thermoregulation, predation)

Boreogadus saida (see COD, ARCTIC)*Brachydanio rerio* (see ZEBRAFISH)

BRITISH COLUMBIA (PROVINCE), CANADA (see also NORTHEAST PACIFIC OCEAN)

- J 44(1) : 152 (growth, fecundity, weathervane scallop)
- (2) : 244 (population structure, environmental effects, chum salmon)
- : 262 (migrations, habitat selection, juveniles, coho salmon, cutthroat trout, steelhead trout, Carnation Creek)
- : 271 (growth, stocking density, juveniles, steelhead trout)
- : 316 (hatchery methods, tagging-recapture data, Pacific salmon)
- : 327 (analytical techniques, migration studies, chinook salmon, Robertson Creek hatchery, Vancouver I.)
- : 348 (swimming, velocity, pink salmon, Fraser R., Thompson R.)
- : 476 (spawning, lentic environment, Pacific lamprey, Babine L.)
- (4) : 712 (mortality, body size, juveniles, sockeye salmon, Babine L.)
- : 822 (stock identification, regional differences, coho salmon, S B.C.)
- : 905 (age determination, methodology, sablefish)
- (5) : 941 (predation, common merganser, Pacific salmon, E Vancouver I.)
- : 950 (predation, common merganser, Pacific salmon, E Vancouver I.)
- : 982 (stock identification, parasitism, smooth pink shrimp, sidestripe shrimp, Barkley Sound, Vancouver I.)
- : 1002 (models, biomass, seasonal variations, lakes)
- (6) : 1135 (suspended particulate matter, microbiological analysis, Howe Sound)
- : 1181 (fishery surveys, spawning populations, Pacific herring)
- : 1233 (feeding behavior, habitat selection, juveniles, salmonids, Campbell R. estuary, Vancouver I.)
- : 1247 (habitat improvement, biological production, Keogh R.)
- (9) : 1551 (recruitment, mathematical models, sockeye salmon, Adams R.)
- (10) : 1702 (stock identification, genetic variation, chum salmon)
- : 1779 (parasitism, biological speciation, western brook lamprey, Vancouver I.)
- : 1796 (fishermen, fishery management, chum salmon)
- (11) : 1963 (homing behavior, stock identification, parasitism, sockeye salmon)
- TF 1482(1) (biological data, resource management, Pacific salmon)
- (2) (biological data, resource management, Pacific salmon)

- 1483 (workshop, habitat improvement)
 1494 (catch statistics, trolling, Pacific salmon)
 1508 (catch/effort, demersal fisheries)
 1511 (avoidance reactions, purse seines, sockeye salmon)
 1522 (population number, historical account, sockeye salmon, Fraser R.)
 1534 (fish culture, anaesthetics, salmonids)
 1535 (stock identification, fishery management, sockeye salmon, Stikine R.)
 1557 (mathematical model, stock assessment, sockeye salmon, Barkley Sound, Vancouver I.)
 MF 1821 (habitat, mapping, salmonids)
 1865 (habitat, evaluation, coho salmon, Koksilah R.)
 1870 (classification systems, escapement, Pacific salmon)
 1886 (aquaculture techniques, aeration)
 1894 (sport fishing, economic analysis)
 1897 (stock assessment, potential yield, demersal fisheries)
 1901 (release time, release size, chum salmon, Conuma hatchery)
 1904 (tidal inlets, residence time, juveniles, coho salmon, chum salmon, Squamish R. estuary)
 1908 (sport fishing, catch statistics, salmonids, Vedder-Chilliwack R.)
 1911 (sport fishing, catch statistics, economic analysis)
 1913 (morphology, population structure, eulachon, Fraser R. estuary)
 1914 (sport fishing, logbooks, salmonids, intertidal B.C.)
 1915 (feeding behavior, stomach content, plankton, chinook salmon, Campbell R., Discovery Passage, Vancouver I.)
 1916 (population number, prediction, sockeye salmon)
 1921 (vegetation mapping, spawning grounds, aquatic plants, Pacific herring, Vancouver I.)
 1922 (fishery surveys, fish eggs, Pacific herring, Vancouver I.)
 1924 (geographical distribution, abundance, Pacific herring, Vancouver I.)
 1925 (frozen products, conversion factors, Pacific ocean perch)
 1926 (ecology, brackishwater environment, Deas Slough, Fraser R. estuary)
 1928 (catch/effort, angling, coho salmon, chinook salmon, Vedder-Chilliwack R.)
 1929 (stock assessment, catch forecasts, Pacific herring)
 1930 (stock assessment, fishery management, demersal fisheries)
 1935 (check lists, copepods, Campbell R. estuary, Discovery Passage, Vancouver I.)
 1936 (fishery surveys, estuaries, juveniles, prawn, Howe Sound)
 1943 (rearing, temperature effects, chinook salmon)
 1944 (fish culture, water quality, iron, chinook salmon)
 1946 (fish transport, fish culture, salmonids)
 1947 (habitat, inventories, marine fish, Newcastle I. Passage, Nanaimo Harbour, Vancouver I.)
 1951 (annual reports, stock assessment, fishery management)
 DF 355 (tagging, rock sole, Hecate Strait)
 428 (migrations, tagging, Atlantic herring)
 498 (biological sampling, demersal fisheries)
 528 (marking, migrations, salmonids)
 599 (fishery statistics, biological sampling, juveniles, salmonids, Nicola R., Coldwater R.)
 601 (escapement, rivers, S B.C.)
 609 (tagging, recoveries, females, coho salmon)
 612 (biological sampling, benthos, Campbell R. estuary, Discovery Passage, Vancouver I.)
 616 (length, weight, salmonids, Campbell R. estuary, Discovery Passage, Vancouver I.)
 617 (catch statistics, salmonids, Campbell R., Discovery Passage, Vancouver I.)
 618 (biological sampling, check lists, zooplankton, Campbell R., Vancouver I.)
 619 (biological sampling data, Pacific herring)
 620 (landing statistics, stock assessment, Pacific cod, SW Vancouver I.)
 621 (length, Pacific cod)
 622 (fishery surveys, irrigation water, juveniles, salmonids, Nicola R., Coldwater R.)
 623 (catch/effort, food fishery, salmonids, Fraser R.)
 627 (catch statistics, food fish, salmonids)
 630 (coded wire tagging, population structure, salmonids, Campbell R. estuary, Discovery Passage, Vancouver I.)
 632 (biological sampling, beach seines, juveniles, pink salmon, chum salmon, Masset Sound, Masset Inlet, Queen Charlotte Is.)
 633 (underwater noise, catalogues, killer whale)
 639 (tagging, recovery data, white sturgeon, Fraser R.)
 640 (biological sampling, beach seines, juveniles, pink salmon, chum salmon, Masset Sound, Masset Inlet, Queen Charlotte Is.)
 643(1) (water quality analysis,

- 647 temperature monitoring, rivers)
(fish food, chemical analysis,
Pacific salmon)
- 650 (catch statistics, biological data,
salmonids, Discovery Passage,
Campbell R. estuary, Vancouver I.)
- 651 (fishery surveys, interspecific
relationships, Pacific cod,
sablefish, spiny dogfish, Pacific
herring, SE Vancouver I.)
- 653 (catch/effort, logbooks, salmonids)
- IF 179 (experimental fishing, catch/effort,
flying squid, off B.C.)
- TH 84 (geographical distribution,
population number, invertebrates,
Boundary Bay, Mud Bay)
- 85 (geographical distribution,
population number, invertebrates,
off SW Vancouver I.)
- 87 (check lists, marine birds,
Vancouver I.)
- 89 (pollution, mining, invertebrates,
Alice Arm)
- 93 (growth, plankton feeders, Cassin's
auklet)
- DH 37(2) (physical oceanography, off B.C.)
- (3) (chemical oceanography, off B.C.)
- 52 (current meter data, long-term
records, B.C. coast)
- 55 (oceanographic data, shore stations)
- BRYOPHYTA (mosses)
- J 44(51) : 194 (acidification, growth,
Sphagnum spp., Experimental Lakes
Area, NW Ont.)
- Bufo americanus* (see TOAD, AMERICAN)
- C
- Caddisflies (see TRICHOPTERA)
- Calanus finmarchicus* (see CRUSTACEA)
- CALIFORNIA STATE, USA
- J 44(1) : 130 (nitrogen cycle, Castle L.)
- (6) : 1213 (analytical models, stock
assessment, fisheries management,
chinook salmon, Central Valley)
- CANADA (see also Provinces; also Territories)
- J 44(5) : 1053 (stock assessment, fisheries
management, Pacific hake, W Canada)
- (7) : 1379 (parasitic indicators,
spawning populations, *Eimeria*
sardinae, Atlantic herring, E
Canada)
- B 215 (water resources, water management,
water policy)
- 217 (parasites, amphipods, fishes,
coastal waters)
- TF 1307 (oil and gas industry, drilling
fluids, winter flounder, E Canada)
- 1480 (toxicity, conference)
- 1513 (parasites, sealworm, American
plaice)
- 1556 (environmental effects, recruitment,
marine fish)
- 1575 (water pollution, environmental
management)
- CH 27 (ocean dumping, pollution effects,
Pacific region)
- CAPELIN (*Mallotus villosus*)
- J 44(1) : 54 (enclosures, evaluation, larval
studies)
- (2) : 438 (physical-biological data, time
series analysis, juveniles, Nfld.)
- (7) : 1326 (larval development, stock
identification, St. Lawrence R.
estuary)
- (9) : 1534 (predation rate, mortality,
jellyfish)
- TF 1499 (parasites, stock identification,
Helminths, NW Atl.)
- TS 5266 (ensilage, economic analysis,
Norway)
- Carcinus maenas* (see CRAB, GREEN)
- CARP, COMMON (*Cyprinus carpio*)
- J 44(2) : 304 (feeding behavior, predation,
juveniles)
- CATFISH, AIR-BREATHING (*Clarias macrocephalus*)
- J 44(8) : 1507 (growth, water depth)
- CATFISH, CHANNEL (*Ictalurus punctatus*)
- J 44(4) : 909 (analytical techniques,
organoleptic properties, MS)
- Catostomus commersoni* (see SUCKER, WHITE)
- CETACEA (see also names of species)
- J 44(7) : 1289 (histopathology, tumors)
- DH 5(10) (biological oceanography, Beaufort
Sea)
- (13:2) (biological oceanography, Northwest
Passage, Arctic)
- CHAETOGASTER spp. n. (Oligochaeta)
- TS 5287 (new records, new species,
Chaetogaster paucus, Ch.
grandisetosus, Ch. *cannibalus*, Ch.
ignotus, Ch. *dissetosus*, Ch.
crocodilus, Ch. *multisetosus*, Ch.
gavrilovi, L. Baikal, Maloe More
Sound, USSR)
- CHAR, ARCTIC (*Salvelinus alpinus*) (Arctic charr)
- J 44(2) : 373 (acidification, biochemical
analysis, feeding behavior)
- DF 666 (biological data, population number,
Diana R., N.W.T.)
- IF 174 (experimental fishing, weirs, Jayco
R., N.W.T.)
- Charr, Arctic (see CHAR, ARCTIC)
- Chionoecetes opilio* (see CRAB, SNOW)
- spp. (see CRABS, TANNER)

- Chlamys islandica* (see SCALLOP, ICELAND) TF 1518 (bibliographies, N Pac.)
 MF 1905 (stock assessment, Strait of Georgia, Strait of Juan de Fuca, NE Pac.)
- Chondrus crispus* (see MOSS, IRISH)
- Chrosomus eos* (see DACE, REDBELLY) 1937 (reproductive biology, population dynamics, Hecate Strait, NE Pac.)
- Chrysochromulina* (see ALGAE) DF 620 (landing statistics, stock assessment, SW Vancouver I., B.C., Queen Charlotte Sound, Hecate Strait, NE Pac.)
- Ciliophora* (see PROTOZOA)
- Cisco* (see HERRING, LAKE) 621 (length, B.C.)
 651 (fishery surveys, interspecific relationships, sablefish, spiny dogfish, Pacific herring, SE Vancouver I., B.C.)
 652 (sexual maturity, length, Hecate Strait, NE Pac.)
- CISCOES, DEEPWATER* (*Coregonus* spp.) (chubs)
 J 44(S2) : 371 (stock assessment, yield, L. Michigan, L. Huron)
- Cladocera* (see CRUSTACEA)
- Cladophora* (see ALGAE)
- Clarias macrocephalus* (see CATFISH, AIR-BREATHING)
- Clupea harengus harengus* (see HERRING, ATLANTIC)
harengus pallasii (see HERRING, PACIFIC)
 (*Clupea pallasii*) MF 1902 (data processing, acoustic data, Atlantic herring)
 1910 (bibliographies, computer programs)
- COD, ARCTIC** (*Boreogadus saida*)
 TF 1491 (food chains, interspecific relationships, marine mammals, Arctic)
 DF 614 (feeding behavior, stomach content, copepods, Beaufort Sea Shelf)
- COD, ATLANTIC** (*Gadus morhua*)
 J 44(1) : 14 (growth, food availability, juveniles, Georges Bank, NW Atl.)
 : 26 (recruitment, environmental effects, NW Atl.)
 (4) : 859 (time series analysis, pollutants)
 (10) : 1782 (fish sizing, fish length)
 SP 98(1) (atlases, histology, digestive tract)
 TF 1354 (quality control, grading, Nfld.)
 1562 (water temperature, weather, Conception Bay, Nfld.)
 DF 662 (fishery statistics, historical account, Nfld.)
 IF 177(1) (processed fishery products, raw material)
 (2) (processed fishery products, biochemical analysis)
 TS 5325 (processing fishery products, gutting, Iceland)
- COD, BALTIC** (*Gadus morhua*)
 TS 5303 (pricing, cooperatives, Denmark)
 5304 (bridges, fishing industry, The Great Belt, Denmark)
- COD, PACIFIC** (*Gadus macrocephalus*)
 J 44(3) : 490 (stock identification, electrophoresis, N Pac.)
 (S2) : 339 (models, fishing mortality, fishery management)
- COMPUTER PROGRAMS AND DATA PROCESSING**
 TF 1439 (growth curves, biological data)
 1529 (fishery economics, fishing vessel analysis, Nfld.)
 1559 (algorithms, biological data, fishery management)
 MF 1902 (data processing, acoustic data, Atlantic herring)
 1910 (bibliographies, computer programs)
- CONFERENCES**
 J 44(S1) : 3 (limnology, research programs, Experimental Lakes Area, NW Ont.)
 (S2) : 7 (stock assessment, yield predictions, freshwater fish, Great Lakes)
 SP 96 (fishery biology, fishery management, sockeye salmon)
 B 214 (microorganisms, photosynthesis, picoplankton, World Oceans)
 TF 1480 (toxicity, aquatic environment, Canada)
 1483 (habitat improvement, B.C., OR, WA)
 1556 (recruitment, environmental effects, marine fish, Canada)
 1575 (water pollution, environmental management, Canada)
 CH 27 (ocean dumping, pollution effects, Pacific region, Canada)
- Copepoda* (see CRUSTACEA)
- Coregonus artedii* (see HERRING, LAKE) (cisco)
clupeaformis (see WHITEFISH, LAKE)
hoyi (see BLOATER)
 spp. (see CISCOES, DEEPWATER) (chubs)
- CORRECTIONS**
 J 44(2) : 486 (to J 43(5) : 1094)
 (8) : 1516 (to J 42(9) : 1525, 1527;
 to J 43(11) : 2322, 2339, 2340;
 to J 44(2) : 454, 455;
 to SP 89 : 26)
- Coryphaenoides rupestris* (see GRENADIER, ROUNDNOSE)

CRAB, GREEN (*Carcinus maenas*)
J 44(10) : 1765 (calcium, amino acids, heart)

CRAB, SNOW (*Chionoecetes opilio*) (queen crab; spider crab)

J 44(11) : 2002 (stock assessment, fishery management, Cape Breton, N.S.)

CRABS, TANNER (*Chionoecetes* spp.)

J 44(6) : 1143 (population number, annual variation, S Bering Sea)

CRAYFISHES (*Orconectes* spp.)

J 44(3) : 591 (feeding behavior, aquatic plants, *Orconectes rusticus*, WI)
(S1) : 97 (fecundity, acidification, *Orconectes virilis*, Experimental Lakes Area, NW Ont.)
: 107 (calcium, acidification, *Orconectes virilis*, Experimental Lakes Area, NW Ont.)

Croton tigium (see EUPHORBIACEAE)

CRUISES (see also FISHERIES AND FISHABLE STOCKS)

TF 1510 (C.G.S. G.B. Reed, M/V Free Enterprise No. 1, biomass surveys, rockfishes, Dixon Entrance, NW Pac.)
MF 1917 (C.G.S. G.B. Reed cruise GBR 84C, M.V. Canadian #1 cruise CAN84-1, echo surveys, Pacific herring, Hecate Strait, NE Pac.)
1937 (C.G.S. W.E. Ricker, reproductive biology, Pacific cod, English sole, Hecate Strait, NE Pac.)
DF 615 (C.G.S. G.B. Reed cruise 85-8, herring survey, Hecate Strait, NE Pac.)
651 (M/V Eastward Ho, fishery surveys, Pacific hake, sablefish, spiny dogfish, Pacific herring, SE Vancouver I., B.C.)

CRUSTACEA (see also names of species)

J 44(2) : 382 (models, biomass, *Holopedium gibberum*, Plastic L., Ont.)
: 478 (reproductive behavior, environmental effects, *Hyalella azteca*, Canadian Shield lakes, Ont.)
(6) : 1102 (acidification, tolerance, *Hyalella azteca*, Ont.)
: 1112 (acidification, distribution, *Hyalella azteca*, Plastic L., Ont.)
(8) : 1510 (organism aggregations, measurement, freshwater lakes, *Hyalella azteca*, Ont.)
(11) : 2009 (measurement, egg production, *Calanus finmarchicus*, SW N.S.)
B 217 (parasites, amphipods, fishes, coastal waters, Canada)
MF 1935 (check lists, copepods, Campbell R. estuary, Discovery Passage, Vancouver I., B.C.)
DF 614 (feeding behavior, stomach content, copepods, Arctic cod, Beaufort Sea Shelf)

IF 177(1) (processed fishery products, raw material)

(2) (processed fishery products, biochemical analysis)

(3) (processed fishery products, quality evaluation)

TS 5315 (vertical distribution, mysids, Baltic Sea)

5317 (vertical migrations, diurnal variations, Baltic Sea)

Cyprinus carpio (see CARP, COMMON)

Cystophora cristata (see SEAL, HOODED)

D

DACE, PEARL (*Semotilus margarita*)

J 44(S1) : 126 (histopathology, gills, acidification, Experimental Lakes Area, NW Ont.)

DACE, REDBELLY (*Chrosomus eos*)

J 44(S1) : 260 (tracers, aluminum, acidification, Experimental Lakes Area, NW Ont.)

Davis Strait (see NORTHWEST ATLANTIC OCEAN)

Delphinapterus leucas (see WHALE, WHITE) (beluga)

DENMARK

TS 5278 (fishery industry, fishery economics, Esbjerg)
5279 (fishery development, limitation analysis, Esbjerg)
5281 (fishing vessel equipment, gyroscopes)
5303 (pricing, cooperatives, Baltic cod)
5304 (fishing industry, bridges, Baltic cod, The Great Belt)

Diatoms (see ALGAE)

DIPTERA (two-winged insects)

J 44(10) : 1737 (biological development, fecundity, population growth)
: 1743 (water temperature, size, reproductive potential)

DISEASES AND PARASITES

J 44(1) : 112 (parasitic control, chemical persistence, Seneca L., NY)
: 161 (diseases, immunity, juveniles, coho salmon)
: 183 (disease detection, methodology, *Renibacterium salmoninarum*, salmonids)
: 206 (disease detection, methodology, *Renibacterium salmoninarum*, chinook salmon)
: 219 (vitamin B deficiency, bioassays, rainbow trout)
(2) : 368 (bacterial diseases, disease transmission, *Aerococcus viridans* var. *homari*, American lobster,

- Magdalen Is., Que.)
- (3) : 685 (viral diseases, erythrocytes, chinook salmon, Columbia R., WA)
- (5) : 982 (parasitism, stock identification, smooth pink shrimp, sidestripe shrimp, Barkley Sound, Vancouver I., B.C.)
- : 1071 (viral diseases, disease detection, steelhead trout, sockeye salmon)
- : 1075 (viral diseases, disease detection, males, sockeye salmon, steelhead trout)
- (7) : 1289 (histopathology, tumors, whales)
- : 1379 (parasitic indicators, spawning population, *Eimeria sardinae*, Atlantic herring, E Canada)
- (8) : 1425 (muscles, chemical analysis, lakes, walleye, Man., Ont., ND)
- (9) : 1562 (parasitism, reproduction, pink salmon, sea lamprey, Carp R., E L. Superior)
- (10) : 1779 (parasitism, biological speciation, streams, western brook lamprey, Vancouver I., B.C.)
- (11) : 1848 (granulomatosis, aetiology, food organisms, European smelt, North Sea)
- : 1963 (parasitism, homing behavior, sockeye salmon, B.C.)
- : 1985 (bubble disease, histopathology, rainbow trout) (parasites, amphipods, fishes, coastal waters, Canada)
- B 217 (parasites, stock identification, Helminths, capelin, NW Atl.)
- TF 1499 (parasites, sealworm, American plaice, E Canada)
- 1513 (bubble disease, hydroelectric power plants, Atlantic salmon, American eel, Mactaquac, N.B.)
- MF 1906 (parasites, Helminths, salmonids, Azabache L., Kamchatka, USSR)
- TS 5285 (fish diseases, diets, bacteria, yellowtail)
- 5289 (introduced species, parasitic diseases, *Myxosoma cerebralis*, California trout, Yugoslavia)
- 5300
- DISTRIBUTION AND ABUNDANCE
- J 44(1) : 77 (population density, food availability, caddisflies, Kintla L., Glacier National Park, MT)
- (2) : 271 (growth, stocking density, juveniles, steelhead trout, B.C.)
- (3) : 639 (environmental effects, phytoplankton, Nfld.)
- (6) : 1143 (population number, annual variation, tanner crabs, S Bering Sea)
- : 1181 (spawning population, fishery surveys, Pacific herring, B.C.)
- (8) : 1510 (organism aggregations, measurement, freshwater lakes, *Hyalella azteca*, Ont.)
- (10) : 1759 (vertical distribution, latitudinal variation, lakes, aquatic plants)
- (11) : 2025 (size distribution, periphyton, L. Memphremagog, Que.)
- (12) : 2155 (biomass, check lists, phytoplankton, L. Ontario)
- : 2164 (vertical distribution, biomass, picoplankton, nanoplankton, L. Ontario)
- : 2178 (vertical distribution, seasonal variation, zooplankton, L. Ontario)
- : 2185 (vertical distribution, seasonal variation, Ciliophora, L. Ontario)
- (S1) : 91 (vertical distribution, acidification, zooplankton, Experimental Lakes Area, NW Ont.)
- (S2) : 198 (environmental factors, community structure, freshwater fish, Ont., Great Slave L., N.W.T.)
- TF 1500 (statistical sampling, aerial surveys, bowhead whale, Beaufort Sea)
- 1504 (gill nets, aerial surveys, Atlantic herring, Gulf of St. Lawrence)
- 1509 (echosounding, population number, freshwater fish)
- 1578 (Greenland halibut, deepwater redfish, golden redfish, roundnose grenadier, roughhead grenadier, Davis Strait, NW Atl.)
- MF 1772 (pink salmon, L. Huron)
- 1907 (population structure, kelp, N.S.)
- 1924 (Pacific herring, W Vancouver I., B.C.)
- DF 575 (abundance, check lists, phytoplankton, Frobisher Bay, Arctic)
- 624 (seasonal distribution, seasonal abundance, walrus, Hudson Bay, Hudson Strait, Arctic)
- 666 (biological data, population number, Arctic char, Diana R., N.W.T.)
- TH 84 (benthos, invertebrates, Boundary Bay, Mud Bay, B.C.)
- 85 (benthos, invertebrates, off SW Vancouver I., B.C.)
- TS 5250 (geographical distribution, new records, *Barbourisia rufa*, *Aphyonius gelatinosus*, Indian Ocean)
- 5258 (census, juveniles, grey seal, Iceland)
- 5315 (vertical distribution, mysids, Baltic Sea)
- 5316 (migrations, marine mammals, Spitsbergen)
- DNA (Deoxyribonucleic acid) (see PHYSIOLOGY AND BIOCHEMISTRY)
- DOGFISH, SPINY (*Squalus acanthias*)
- DF 651 (fishery surveys, interspecific

relationships, Pacific cod,
sablefish, Pacific herring, SE
Vancouver I., B.C.)

E

ECONOMICS AND SOCIOLOGY

- J 44(3) : 674 (economic analysis, marketing,
European oyster, Maritime Provinces)
(S2) : 289 (fishery management, economic
analysis, yellow perch, Green Bay,
L. Michigan)
: 306 (fishery management,
sociological aspects, Great Lakes)
TF 1503 (mathematical models, sport fishing)
1529 (fishing vessel analysis, computer
programs, Nfld.)
1530 (fishery surveys, economic analysis,
redfish, Nfld.)
1549 (bibliographies, fishery science,
sociological aspects, Maritime
Provinces, Nfld., Labrador)
MF 1894 (sport fishing, economic analysis,
B.C.)
1911 (sport fishing, catch statistics,
economic analysis, B.C.)
TS 5246 (marketing, Atlantic herring,
Norway)
5246 (Rev) (fishing industry, marketing,
Atlantic herring, Norway)
5249 (marketing, fishery products,
Singapore, Hong Kong)
5259 (resource management, economic
analysis, Atlantic herring, Norway)
5260 (fishery economics, fishing vessels,
Norway)
5261 (fishery economics, sociological
aspects, Norway)
5262 (fishing fleet, economic analysis,
Norway)
5263 (fuel economy, fishing vessels,
Norway)
5264 (marketing, economic analysis, blue
mussel, Norway)
5265 (financial management, fishery
industry, Norway)
5266 (ensilage, economic analysis,
capelin, Norway)
5278 (fishery industry, fishery
economics, Esbjerg, Denmark)
5279 (fishery development, limitation
analysis, Esbjerg, Denmark)
5280 (fishery development, economic
analysis, Atlantic herring, North
Sea)
5284 (fish farms, sociological effects,
Finland)
5301 (fishing vessels, cost analysis,
Norway)
5303 (pricing, cooperatives, Baltic cod,
Denmark)
5307 (fishing vessels, cost analysis,
Norway)
5308 (fishing vessels, cost analysis,
Norway)
5309 (fishing vessels, economic analysis,
Norway)

- 5310 (fishing vessels, economic analysis,
Norway)
5311 (fishing vessels, economic analysis,
Norway)
5312 (fishing vessels, cost analysis,
Norway)
5319 (aquaculture techniques, economic
analysis, American lobster,
Magdalen Is., Que.)
5324 (employment, fish farming, Norway)

EEL, AMERICAN (*Anguilla rostrata*)

- MF 1906 (bubble disease, hydroelectric
power plants, Mactaquac, N.B.)

Eimeria sardinae (see PROTOZOA)

ENGLAND

- J 44(S2) : 216 (recruitment, temperature,
yellow perch, northern pike, L.
Windermere, Cumbria)

Enteromorpha spp. (see ALGAE)

ENVIRONMENTAL EFFECTS

- J 44(1) : 26 (recruitment, climate, Atlantic
cod, haddock, NW Atl.)
: 48 (growth, density dependence,
English sole, OR, WA)
(2) : 244 (population structure, spawning
populations, chum salmon, B.C.)
: 408 (sea surface temperature,
catch/effort, pelagic fishes, Ivory
Coast)
: 478 (biotic factors, reproductive
behavior, *Hyalella azteca*, Canadian
Shield lakes, Ont.)
(3) : 598 (primary production, blue-green
algae, L. St. George, Ont.)
: 639 (distribution, lakes,
phytoplankton, Nfld.)
(6) : 1207 (vertebrae, genomes, sockeye
salmon)
(7) : 1326 (stock identification, larval
development, capelin, St. Lawrence
R. estuary)
(8) : 1397 (migrations, coho salmon,
Deschutes R., WA)
: 1462 (photoperiods, osmoregulation,
juveniles, Atlantic salmon)
: 1485 (sea temperature, fecundity,
Pacific herring, B.C.)
: 1507 (growth, water depth, air-
breathing catfish)
(9) : 1568 (yield predictions, landing
statistics, marine fishes,
shellfish, Gulf of St. Lawrence,
Gulf of Maine, NW Atl.)
: 1603 (water temperature,
interspecific relationships,
redside shiner, steelhead trout, W
OR)
: 1640 (irradiance, community
composition, algae)
: 1658 (water temperature,
development rate, Odonata)
: 1666 (surface waves, water depth,

- lakes, aquatic plants, S Que.)
- (10) : 1684 (El Niño phenomenon, growth, mortality, Peruvian scallop, off Pisco, Peru)
- : 1729 (coastal upwelling, fouling organisms, *Oikopleura* spp., E Nfld.)
- : 1743 (water temperature, size, reproductive potential, aquatic Diptera)
- : 1753 (light effects, primary production, *Scenedesmus obliquus*)
- : 1791 (flooding, spawning, sockeye salmon)
- (12) : 2118 (light, temperature, photosynthesis, plankton, L. Ontario)
- (S2) : 198 (abundance, community structure, freshwater fish, Ont., Great Slave L., N.W.T.)
- : 216 (temperature, recruitment, yellow perch, northern pike, L. Windermere, Cumbria, England)
- TF 1517 (growth, genotypes, chum salmon)
- 1556 (recruitment, marine fish, Canada)
- 1562 (water temperature, weather, Atlantic cod, Conception Bay, Nfld.)
- DF 626 (temperature, embryonic development, fish eggs, salmonids)
- ENVIRONMENTAL IMPACT
- J 44(1) : 66 (habitat improvement, fishways, sockeye salmon, Fraser L., Kodiak I., AK)
- : 83 (nutrient enrichment, species composition, phytoplankton)
- : 210 (turbines, mortality, juveniles, Atlantic salmon)
- (4) : 702 (temperature, light, kelt, Atlantic salmon)
- (8) : 1408 (impoundments, primary production, Southern Indian L., Man.)
- (S1) : 6 (ecosystem disturbance, man-induced effects, Experimental Lakes Area, NW Ont.)
- TF 1498 (dredging, freshwater fish, Hamilton Harbour, Ont.)
- 1522 (population number, historical account, sockeye salmon, Fraser R., B.C.)
- MF 1906 (hydroelectric power plants, bubble disease, Atlantic salmon, American eel, Mactaquac, N.B.)
- TS 5304 (fishing industry, bridges, Baltic cod, The Great Belt, Denmark)
- Ephemera* (see EPHEMEROPTERA)
- EPHEMEROPTERA (mayflies)
- J 44(4) : 832 (water motion, distribution, *Ephemera inermis*, *Baetis tricaudatus*, Pembina R., Alta.)
- (9) : 1652 (acidification, streams, Algonquin Park, Ont.)
- TF 1485 (feeding behavior, Atlantic salmon, St. Croix R., N.B.)
- ERIE, LAKE, AMERICA
- J 44(S2) : 15 (population dynamics, fishery management, walleye)
- : 61 (models, errors, quota regulations, walleye)
- : 166 (potential yield, chlorophylls, walleye)
- TS 5333 (pollution effects, PCBs, rainbow smelt)
- Esox lucius* (see PIKE, NORTHERN)
- EULACHON (*Thaleichthys pacificus*)
- MF 1913 (morphology, population structure, Fraser R. estuary, B.C.)
- EUPHORBIACEAE
- J 44(7) : 1358 (biological poisons, oxygen concentration, *Croton tiglium*, zebrafish)
- EXPERIMENTAL LAKES AREA, NORTHWESTERN ONTARIO
- J 44(4) : 736 (metabolism, nitrogen, *Chrysochromulina breviturrita*)
- : 750 (methyl mercury, acidification)
- (S1) : 3 (limnology, research progress)
- : 6 (environmental monitoring, ecosystem disturbance)
- : 26 (eutrophication, fertilizers)
- : 35 (nutrients, phytoplankton)
- : 47 (primary production, fertilizers, phytoplankton)
- : 55 (population dynamics, fertilizers, lake whitefish)
- : 74 (radioactive tracers, sorption, sediments)
- : 83 (acidification, light attenuation, phytoplankton)
- : 91 (vertical distribution, acidification, zooplankton)
- : 97 (fecundity, acidification, crayfishes)
- : 107 (calcium, acidification, crayfishes)
- : 114 (growth, recruitment, acidification, freshwater fish)
- : 126 (acidification, histopathology, gills, fathead minnow)
- : 135 (acidification, periphyton)
- : 150 (respiration, light, acidification, periphyton)
- : 163 (cadmium, acidification, zooplankton)
- : 173 (biotic factors, abiotic factors, neutralizing acidity)
- : 194 (acidification, growth, *Sphagnum* spp.)
- : 206 (acid rain, chemical pollutants)
- : 214 (radioisotopes, acid rain, sediments)
- : 231 (sediment mixing, radioactive tracers)
- : 251 (radioactive tracers, trace metals, sediments)
- : 260 (tracers, aluminum, acidification, redbelly dace)

- : 264 (dry weight, organism morphology, zooplankton)
 TF 1476 (acidification, growth, white sucker)
 1551 (monitoring, acidification, wetlands)
 DF 629 (physical limnology, light attenuation)
 648 (temperature profiles)

F

FINLAND

- TS 5251 (aquaculture effluents, pollution effects, rainbow trout, Archipelagic Sea)
 5267 (fish farms, pollution effects, benthos, Sipoo Bay)
 5268 (pollution effects, fish farms)
 5269 (pollution effects, fish farms, Archipelagic Sea)
 5271 (fish culture, pollution control planning)
 5272 (fish culture, pollution control)
 5273 (fish farms)
 5274 (aquaculture effluents, phosphorus, rainbow trout)
 5275 (fish culture, licenses)
 5276 (fish culture, licensing)
 5283 (pollution control, phosphorus)
 5284 (fish farms, sociological effects)

FISH HANDLING

- TF 1354 (quality control, grading, Atlantic cod, Nfld.)
 1399 (food poisoning, histamines, Atlantic mackerel)
 MF 1925 (frozen products, conversion factors, Pacific ocean perch, B.C.)
 IF 176 (fish wastes, N.B.)
 177(1) (processed fishery products, raw material, Atlantic cod, crustaceans)
 (2) (processed fishery products, biochemical analysis, Atlantic cod, crustaceans)
 (3) (processed fishery products, quality evaluation, crustaceans)
 178F (processed fishery products, product development)
 182 (equipment, body size, Nfld.)
 TS 5249 (fishery products, marketing, Singapore, Hong Kong)
 5253 (trash fish, chilled products, Norway)
 5254 (processing fishery products, freezing, Atlantic herring, Norway)
 5266 (ensilage, economic analysis, capelin, Norway)
 5282 (legislation, cured fish production, Norway)
 5298 (processed fishery products, waste utilization, Norway)
 5299 (fish pumps, blue whiting, Norway)
 5302 (fishery products, quality control, Sweden)
 5318 (pneumatic transport, trawl fish, Norway)

- 5323 (processing fishery products, salted fish, Iceland)
 5325 (processing fishery products, gutting, Atlantic cod, Iceland)
 5326 (quality assurance, minced products, walleye pollock, Japan)

FISHERIES AND FISHABLE STOCKS

- J 44(2) : 282 (aerial surveys, stock assessment, juveniles, hooded seal, NW Atl.)
 : 408 (catch/effort, environmental effects, pelagic fisheries, Ivory Coast)
 : 422 (stock assessment, length, fishery data)
 (3) : 525 (predation, Pacific herring, Pacific salmon, river lamprey, Strait of Georgia, NE Pac.)
 : 583 (community composition, approximation)
 (4) : 793 (catch/effort, population density, reef fish, Strait of Georgia, NE Pac.)
 : 803 (overexploitation, rehabilitation)
 : 811 (echo surveys, population density, cisco, WI)
 : 866 (stock identification, fisheries management, sockeye salmon, NE Pac.)
 (5) : 924 (mathematical models, body weight, fisheries management)
 : 967 (stock assessment, analytical errors, marine fish, NW Atl.)
 : 982 (stock identification, parasitism, smooth pink shrimp, sidestripe shrimp, Barkley Sound, Vancouver I., B.C.)
 : 1024 (echo surveys, seine catches, marine fish)
 : 1053 (stock assessment, fisheries management, Pacific hake, USA, Canada)
 (6) : 1122 (stock assessment, tagging, skipjack tuna, W Pac.)
 : 1181 (surveys, spawning populations, Pacific herring, B.C.)
 : 1213 (analytical models, stock assessment, fisheries management, chinook salmon, Central Valley, CA)
 : 1267 (echo surveys, stock assessment, longfinned squid, OR)
 (7) : 1366 (models, fisheries exploitation, spatial variations)
 : 1370 (mathematical models, variable marine fisheries, fishery management)
 : 1375 (mathematical models, life history, recruitment)
 (9) : 1544 (acoustic surveys, stock assessment, blue whiting, rockfishes, NE Atl., NE Pac.)
 : 1568 (environmental effects, yield predictions, landing statistics, marine fishes, shellfish, Gulf of St. Lawrence, Gulf of Maine, NW Atl.)

- (10) : 1796 (fishermen, fishery management, chum salmon, S B.C.)
- (11) : 1879 (stock assessment, fishery management, English sole, NE Pac.)
- : 1890 (catch statistics, tidal cycles, NW Atl.)
- : 2002 (stock assessment, fishery management, snow crab, Cape Breton, N.S.)
- (S2) : 7 (stock assessment, yield predictions, freshwater fish, Great Lakes)
- : 10 (interspecific relationships, freshwater fish, South Bay, L. Huron)
- : 15 (population dynamics, fishery management, walleye, L. Erie)
- : 23 (stock assessment, fishery management, freshwater fish, L. Superior)
- : 61 (models, errors, quota regulations, walleye, L. Erie)
- : 68 (stock assessment, ecological approach, freshwater fish)
- : 75 (models, harvesting, fishery management)
- : 84 (ecological stability, interspecific relationships, multispecies fisheries)
- : 129 (gear selectivity, gill nets, lake whitefish, L. Huron)
- : 156 (stock assessment, ecosystem disturbance, yield predictions)
- : 166 (potential yield, chlorophylls, walleye, L. Erie)
- : 171 (time series analysis, catch/effort, yield predictions, freshwater fish, L. Superior)
- : 267 (models, fishery management)
- : 275 (biomass, fishery management, lake herring, Thunder Bay, Black Bay, L. Superior)
- : 289 (fishery management, economic analysis, yellow perch, Green Bay, L. Michigan)
- : 298 (bioeconomic analysis, interspecific relationships, alewife, salmonids, L. Michigan)
- : 306 (fishery management, sociological aspects, Great Lakes)
- : 324 (stock assessment, methodology)
- : 339 (models, fishing mortality, fishery management, Pacific halibut, walleye, Pacific cod)
- : 349 (potential yield, multispecies fisheries, flatfishes, OR)
- : 360 (stock assessment, multispecies fisheries, North Sea)
- : 384 (yield predictions, sterility, chinook salmon, L. Michigan)
- : 411 (yield predictions, fishery management, freshwater fish, Great Lakes)
- : 417 (yield predictions, rehabilitation, freshwater fish, Great Lakes)
- : 425 (fishery management, policies, lake trout, Great Lakes)
- : 431 (stock assessment, evaluation, freshwater fish, Great Lakes)
- : 439 (fishery management, fishery data, Great Lakes)
- : 448 (fishery management, ecological associations, freshwater fish)
- : 471 (yield predictions, methodology, freshwater fish, Great Lakes, L. Winnipeg, Man.)
- : 486 (fishery management, community rehabilitation, freshwater fish, Great Lakes)
- SP 96 (fishery biology, fishery management, sockeye salmon)
- TF 1355(Rev) (training aids, fishery management, marine fish, Nfld.)
- 1482 (1) (biological data, resource management, Pacific salmon, B.C.)
- (2) (biological data, resource management, Pacific salmon, B.C.)
- 1494 (catch statistics, trolling, Pacific salmon, B.C.)
- 1500 (statistical sampling, aerial surveys, bowhead whale, Beaufort Sea)
- 1504 (gill nets, aerial surveys, Atlantic herring, Gulf of St. Lawrence)
- 1508 (catch/effort, demersal fisheries, B.C.)
- 1510 (biomass surveys, rockfishes, Dixon Entrance, NE Pac.)
- 1511 (avoidance reactions, purse seines, sockeye salmon, B.C.)
- 1530 (fishery surveys, economic analysis, redfish, Nfld.)
- 1532 (fishery surveys, juveniles, demersal fishes, Sable I., N.S.)
- 1535 (stock identification, fishery management, sockeye salmon, Stikine R., B.C.)
- 1538 (stock assessment, biomass, juveniles, Atlantic salmon, brook trout, Highlands R., St. George's Bay, Nfld.)
- 1543 (resource management, hunting statistics, Keewatin, N.W.T.)
- 1544 (resource management, hunting statistics, Keewatin, N.W.T.)
- 1548 (exploratory fishing, stock assessment, Iceland scallop, St. Pierre Bank, NW Atl.)
- 1550 (fisheries research programs, historical account, Georges Bank, NW Atl.)
- 1555 (tagging, potential yield, American plaice, St. Margaret's Bay, N.S.)
- 1557 (stock assessment, mathematical models, sockeye salmon, Barkley Sound, Vancouver I., B.C.)
- 1568 (physical oceanography, commercial fishing, NW Atl.)
- MF 1897 (stock assessment, potential yield, demersal fisheries, B.C.)

- 1899 (hunting statistics, walrus, Foxe Basin, N.W.T.)
- 1903 (catch/effort, stock assessment, rockfishes, Strait of Georgia, NE Pac.)
- 1905 (stock assessment, Pacific cod, Strait of Georgia, Strait of Juan de Fuca, NE Pac.)
- 1916 (population number, prediction, sockeye salmon, B.C.)
- 1917 (echo surveys, stock assessment, Pacific herring, Hecate Strait, NE Pac.)
- 1922 (fishery surveys, fish eggs, Pacific herring, Vancouver I., B.C.)
- 1923 (biological sampling, Atlantic herring, Scotia-Fundy Region)
- 1929 (stock assessment, catch forecasts, Pacific herring, B.C.)
- 1930 (stock assessment, fishery management, demersal fisheries, B.C.)
- 1934 (fishery surveys, stock assessment, lingcod, Strait of Georgia, NE Pac.)
- 1936 (fishery surveys, estuaries, juveniles, prawn, Howe Sound, B.C.)
- 1938 (fishery surveys, fishways, Atlantic salmon, alewife, Magaguadavic R., N.B.)
- 1947 (habitat, inventories, marine fish, Newcastle I. Passage, Nanaimo Harbour, Vancouver I., B.C.)
- 1951 (annual reports, stock assessment, fishery management, B.C.)
- DF 498 (biological sampling, demersal fisheries, B.C.)
- 599 (fishery statistics, biological sampling, juveniles, salmonids, Nicola R., Coldwater R., B.C.)
- 613 (fishery surveys, fishery development, freshwater lakes, N.W.T.)
- 615 (fishery surveys, feeding behavior, Pacific herring, Hecate Strait, NE Pac.)
- 616 (length, weight, salmonids, Campbell R. estuary, Discovery Passage, Vancouver I., B.C.)
- 617 (catch statistics, salmonids, Campbell R., Discovery Passage, Vancouver I., B.C.)
- 619 (sampling data, Pacific herring, B.C.)
- 620 (landing statistics, stock assessment, Pacific cod, SW Vancouver I., B.C., Queen Charlotte Sound, Hecate Strait, NE Pac.)
- 622 (fishery surveys, irrigation water, juveniles, salmonids, Nicola R., Coldwater R., B.C.)
- 623 (catch/effort, food fishery, salmonids, Fraser R., B.C.)
- 627 (catch statistics, food fish, salmonids, B.C.)
- 632 (biological sampling, beach seines, juveniles, pink salmon, chum salmon, Masset Sound, Masset Inlet, Queen Charlotte Is., B.C.)
- 635 (fishery surveys, biological data, fishes, Phillips Bay, Beaufort Sea)
- 636 (fishery surveys, juveniles, Pacific salmon, Hecate Strait, NE Pac.)
- 640 (biological sampling, beach seines, juveniles, pink salmon, chum salmon, Masset Sound, Masset Inlet, Queen Charlotte Is., B.C.)
- 641 (stock assessment, fishery management, lake whitefish, Great Slave L., N.W.T.)
- 650 (catch statistics, biological data, salmonids, Discovery Passage, Campbell R. estuary, Vancouver I., B.C.)
- 651 (fishery surveys, interspecific relationships, Pacific hake, sablefish, spiny dogfish, Pacific herring, SE Vancouver I., B.C.)
- 653 (catch/effort, logbooks, salmonids, B.C.)
- 660 (fishery surveys, biological data, freshwater fishes, la Martre R., N.W.T.)
- 662 (fishery statistics, historical account, Atlantic cod, Nfld.)
- 664 (fishery surveys, fishways, Atlantic salmon, Beechwood Dam, N.B.)
- IF 174 (experimental fishing, weirs, Arctic char, Jayco R., N.W.T.)
- 179 (experimental fishing, catch/effort, flying squid, off B.C.)
- TS 5246(Rev) (fishing industry, marketing, Atlantic herring, Norway)
- 5247 (fishery industry, information services, Pacific region)
- 5248 (fishery industry, quality, Norway)
- 5259 (resource management, economic analysis, Atlantic herring, Norway)
- 5265 (financial management, fishery industry, Norway)
- 5270 (power plant, pollution control, reservoir fisheries, Sweden)
- 5278 (fishery industry, fishery economics, Esbjerg, Denmark)
- 5279 (fishery development, limitation analysis, Esbjerg, Denmark)
- 5280 (fishery development, economic analysis, Atlantic herring, North Sea)
- 5281 (fishing vessels, equipment, gyroscopes, Denmark)
- 5301 (fishing vessels, cost analysis, Norway)
- 5305 (by catch, evaluation, gadoids, Denmark)
- 5307 (fishing vessels, cost analysis, Norway)
- 5308 (fishing vessels, cost analysis, Norway)
- 5309 (fishing vessels, economic analysis, Norway)

- 5310 (fishing vessels, economic analysis, Norway)
 5311 (fishing vessels, economic analysis, Norway)
 5312 (fishing vessels, cost analysis, Norway)
 5313 (fishing vessels, activity analysis, Norway)
 5314 (fishing vessels, activity analysis, Norway)
- FISHES
 J 44(1) : 3 (pollution effects, trace metals, freshwater fish, Ont.)
 : 222 (mathematical models, predation, fish larvae)
 (2) : 236 (predation, biotic factors, juveniles, chum salmon, Big Beef Creek, WA)
 : 399 (migrations, bioenergetics, anadromous fishes)
 (8) : 1432 (acidification, survival, freshwater fish, Adirondack region, NY)
 (11) : 1915 (acoustics, stock assessment)
 : 1995 (nutritional requirements, proteins)
 (S1) : 114 (growth, recruitment, acidification, Experimental Lakes Area, NW Ont.)
 (S2) : 141 (interspecific relationships, recruitment, freshwater fish, zooplankton, L. Michigan)
 : 148 (biological production, biomass, Bay of Quinte, L. Ontario)
 B 217 (parasites, amphipods, coastal waters, Canada)
 TF 1498 (dredging, freshwater fish, Hamilton Harbour, Ont.)
 1509 (echosounding, population number, freshwater fish)
 1531 (stock identification, morphometry)
 1556 (environmental effects, recruitment, marine fish, Canada)
 MF 1874 (acid rain, freshwater fishes, Ont.)
 1898 (check lists, freshwater fish, lakes, Ont.)
 DF 610 (mercury sources, forage fish, Churchill R., Man.)
 635 (fishery surveys, biological data, Phillips Bay, Beaufort Sea)
 660 (fishery surveys, biological data, la Martre R., N.W.T.)
 TS 5256 (physiology, teeth)
 5323 (processing fishery products, salted fish, Iceland)
- Flatfishes (see HETEROSOMATA)
- FLOUNDER, WINTER (*Pseudopleuronectes americanus*)
 J 44(7) : 1270 (carcinogens, cytochromes, off MA)
 (11) : 1936 (length, age, metamorphosis, Conception Bay, Nfld.)
 TF 1307 (oil and gas industry, drilling fluids, E Canada)
- FLOUNDER, YELLOWTAIL (*Limanda ferruginea*)
 J 44(2) : 357 (food selection, Georges Bank, NW Atl.)
- FOOD AND FEEDING
 J 44(1) : 14 (growth, food availability, juveniles, haddock, Atlantic cod, Georges Bank, NW Atl.)
 : 77 (population density, food availability, caddisflies, Kintla L., Glacier National Park, MT)
 : 192 (growth, competition, juveniles, chum salmon)
 : 227 (chlorine compounds, toxicity, fish larvae, white sucker)
 (2) : 304 (feeding behavior, predation, juveniles, common carp, northern pike)
 : 357 (food selection, yellowtail flounder, Georges Bank, NW Atl.)
 : 467 (food availability, predation, larvae, bloater, alewife)
 (3) : 549 (feeding behavior, prey selection, yellow perch)
 : 591 (feeding behavior, aquatic plants, crayfishes, WI)
 (4) : 758 (feeding behavior, prey selection, juveniles, walleye, Sparkling L., WI)
 (6) : 1195 (circadian rhythms, activity patterns, juveniles, American lobster)
 : 1233 (stomach content, habitat selection, juveniles, salmonids, Campbell R. estuary, Vancouver I., B.C.)
 (8) : 1433 (diets, growth, heavy metals, juveniles, American lobster)
 (9) : 1658 (food availability, development rate, Odonata)
 (10) : 1714 (feeding behavior, pesticides, zooplankton)
 : 1768 (nutrients, community composition, freshwater, phytoplankton)
 (11) : 1848 (food organisms, granulomatosis, aetiology, European smelt, North Sea)
 : 1972 (diets, cannibalism, walleye pollock, E Bering Sea)
 TF 1485 (feeding behavior, mayflies, caddisflies, Atlantic salmon, St. Croix R., N.B.)
 MF 1915 (feeding behavior, stomach content, plankton, chinook salmon, Campbell R., Discovery Passage, Vancouver I., B.C.)
 DF 558 (feeding behavior, stomach content, phytoplankton, zooplankton, Frobisher Bay, Arctic)
 614 (feeding behavior, stomach content, copepods, Arctic cod, Beaufort Sea Shelf)
 647 (fish food, chemical analysis, Pacific salmon, B.C.)
 TS 5244 (animal reproductive organs, feeding

- 5257 experiments, kelp, Japanese sea urchin, Hokkaido, Japan)
(harbor seal, grey seal, Iceland)
- Foraminifera (see PROTOZOA)
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J 44(9) : 1568 (environmental effects, yield predictions, landing statistics, shellfish, Gulf of St. Lawrence, Gulf of Maine, NW Atl.)
- Monodon monoceros* (see NARWHAL)
- Monogenea (see PLATYHELMINTHES)
- MONTANA STATE, USA
J 44(1) : 77 (population density, food availability, caddisflies, Kintla L., Glacier National Park)
(11) : 1830 (stock identification, hybridization, cutthroat trout, Glacier National Park)
- MORPHOLOGY AND TAXONOMY
J 44(7) : 1361 (identification keys, larvae, sea scallop)
(11) : 1820 (morphology, trophic characters, threespine stickleback)
(12) : 2173 (electron microscopy, picoplankton, L. Ontario)
(S1) : 264 (dry weight, organism morphology, zooplankton, Experimental Lakes Area, NW Ont.)
SP 98(1) (atlases, morphology, digestive tract, Atlantic cod)
B 217 (parasites, amphipods, fishes, Canada)
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1531 (morphometry, stock identification, fishes)
MF 1913 (morphology, biological data, eulachon, Fraser R. estuary, B.C.)
TS 5245 (identification keys, Tubificidae)
5286 (taxonomy, *Pararhyacodrilus* gen.n., *P. aspersus* sp.n., *P. ekmani* sp.n., *P. palustris* sp.n., L. Baikal, USSR)
5321 (developmental stages, scallop, Japan)
5328 (taxonomy, seta, Naididae, Africa)
5331 (new genera, new species, Monogenea, Gulf of Mexico)
- MOSS, IRISH (*Chondrus crispus*)
TF 1514 (literature review, carrageenans, World Oceans)
- MUMMICHOG (*Fundulus heteroclitus*)
J 44(1) : 134 (coal leachates, spermatogenesis)
- MUSSEL, BLUE (*Mytilus edulis*)
J 44(3) : 680 (exposure tolerance, mercury, heavy metals)
(9) : 1589 (mortality, variance analysis, N.S.)
- TS 5264 (marketing, economic analysis, Norway)
- Mysidacea (see CRUSTACEA)
- Mytilus edulis* (see MUSSEL, BLUE)
- Myxosoma* (see PROTOZOA; see also DISEASES AND PARASITES)
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- Naididae (see OLIGOCHAETA)
- NARWHAL (*Monodon monoceros*)
DH 5(13:1) (biological oceanography, Northwest Passage, Arctic)
- NEOHETEROBOTHRIUM SYACII (Monogenea)
TS 5331 (taxonomy, new genera, new species, Gulf of Mexico)
- NEW BRUNSWICK (PROVINCE), CANADA
J 44(1) : 91 (pollution effects, cadmium, sea scallop, Chaleur Bay)
: 120 (habitat selection, summer, juveniles, Atlantic salmon)
TF 1485 (feeding behavior, mayflies, caddisflies, Atlantic salmon, St. Croix R.)
1493 (chemical limnology, lakes)
1523 (acidification, invertebrates)
MF 1906 (hydroelectric power plants, bubble disease, Atlantic salmon, American eel, Mactaquac)
1918 (aquaculture techniques, stocking, fingerlings, Atlantic salmon, Pointe Wolfe R.)
1938 (fishery surveys, fishways, Atlantic salmon, alewife, Magaguadavic R.)
1948 (research programs, personnel, St. Andrews)
DF 664 (fishery surveys, fishways, Atlantic salmon, Beechwood Dam)
IF 170 (fish wastes management)
- NEW GENERA
TS 5286 (taxonomy, *Pararhyacodrilus*, L. Baikal, USSR)
5331 (taxonomy, *Neoheterobothrium*, Gulf of Mexico)
- NEW HAMPSHIRE STATE, USA
J 44(9) : 1584 (acidification, paleolimnology, algae, Cone Pond)
- NEW RECORDS
TS 5250 (geographical distribution, *Barbourisia rufa*, *Aphyonius gelatinosus*, Indian Ocean)
5287 (taxonomy, *Chaetogaster* spp.n., L. Baikal, Maloe More Sound, USSR)
- NEW SPECIES
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 5287 (taxonomy, *Chaetogaster paucus*, *Ch.*
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 5331 (taxonomy, *Neoheterobothrium syacii*,
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- NEW YORK STATE, USA
 J 44(1) : 112 (parasite control, chemical,
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 (8) : 1432 (acidification, survival,
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 (9) : 1595 (acidification, snowmelt,
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- NEW ZEALAND
 J 44(1) : 40 (competitors, spawning grounds,
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- NEWFOUNDLAND (PROVINCE), CANADA
 J 44(2) : 337 (rearing, evaluation, Atlantic
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 : 438 (physical-biological data, time
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 (3) : 639 (distribution, environmental
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 (10) : 1729 (coastal upwelling, fouling
 organisms, *Oikopleura* spp.)
 (11) : 1936 (length, age, metamorphosis,
 winter flounder, Conception Bay)
 TF 1354 (quality control, grading, Atlantic
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 1355(Rev) (training aids, manuals, marine
 fish)
 1478 (aquaculture development,
 evaluation, sea scallop)
 1520 (hydro acoustic data, data
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 (2) (acidification, fossil diatoms,
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 1529 (fishery economics, vessel analysis,
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 1530 (fishery surveys, economic analysis,
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 1538 (stock assessment, biomass,
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 1549 (bibliographies, fishery science,
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 1558 (colonization, settling behavior,
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 1562 (water temperature, weather,
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 MF 1931 (brood stocks, aquaculture
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- IF 182 (fish handling, body size)
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 J 44(3) : 556 (genetic variation, postglacial
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 (5) : 960 (phosphorus, sediments, lakes,
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 (6) : 1165 (trace metals, marshes, NE
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- NORTH CAROLINA STATE, USA
 J 44(4) : 901 (age determination, otoliths,
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- NORTH DAKOTA STATE, USA
 J 44(8) : 1425 (diseases, muscles, chemical
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- NORTH PACIFIC OCEAN
 TF 1518 (bibliographies, Pacific cod)
- NORTH SEA
 J 44(11) : 1848 (granulomatosis, aetiology,
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 (S2) : 360 (stock assessment, multispecies
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 TS 5280 (fishery development, economic
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- NORTHEAST ATLANTIC OCEAN
 J 44(9) : 1544 (acoustic surveys, stock
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- NORTHEAST PACIFIC OCEAN
 J 44(4) : 793 (catch/effort, population
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 : 866 (stock identification,
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 (7) : 1301 (stock identification, DNA,
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 (9) : 1544 (acoustic surveys, stock
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 (11) : 1879 (stock assessment, fishery
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 TF 1510 (biomass surveys, rockfishes, Dixon
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 MF 1903 (catch/effort, stock assessment,
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 1905 (stock assessment, Pacific cod,
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 1912 (stock identification, tagging,
 rock sole, Hecate Strait)
 1917 (echo surveys, stock assessment,
 Pacific herring, Hecate Strait)
 1934 (fishery surveys, stock assessment,
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 1937 (reproductive biology, population
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 DF 615 (fishery surveys, feeding behavior,
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 620 (landing statistics, stock
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- 636 Charlotte Sound, Hecate Strait)
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- 652 (sexual maturity, length, Pacific
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- TH 88 (check lists, invertebrates, Hecate
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- DH 50 (oceanographic data, water
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- J 44(1) : 14 (growth, food availability,
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- : 26 (recruitment, environmental
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- : 91 (pollution effects, cadmium, sea
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- (2) : 282 (aerial surveys, stock
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- : 357 (food selection, yellowtail
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- (4) : 882 (recruitment, density
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- (5) : 967 (stock assessment, analytical
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- (9) : 1568 (environmental effects, yield
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- (11) : 1890 (catch statistics, tidal
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- TF 1430 (sea surface temperature)
- 1457 (morphology, stock identification,
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- 1499 (parasites, stock identification,
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- 1548 (exploratory fishing, stock
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- 1550 (fisheries research programs,
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- 1568 (physical oceanography, commercial
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- 1578 (distribution, abundance, Greenland
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- DF 532 (surveys, zooplankton, Browns Bank)
- TH 71 (check lists, fossil foraminifera)
- DH 44 (hydrography, ocean weather
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- 45 (physical oceanography, current
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- J 44(4) : 775 (chlorophylls, phosphorus,
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- (8) : 1451 (heat budget, light
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- (S2) : 198 (environmental factors,
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- TF 1543 (resource management, hunting
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- DF 613 (fishery surveys, fishery
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- 641 (stock assessment, fishery
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- 642 (catch/effort, sport fishery,
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- 660 (fishery surveys, biological data,
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- 666 (biological data, population
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- IF 174 (experimental fishing, weirs,
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- NORWAY
- J 44(10) : 1775 (stock identification,
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- TS 5246 (marketing, Atlantic herring)
- 5246(Rev) (fishing industry, marketing,
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- 5248 (fishery industry, quality)
- 5253 (trash fish, chilled products)
- 5254 (processing fishery products,
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- 5259 (resource management, economic
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- 5260 (fishery economics, fishing
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- 5261 (fishery economics, sociological
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- 5264 (marketing, economic analysis,
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- 5282 (legislation, cured fish
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- 5299 (fish handling, fish pumps, blue
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- 5301 (fishing vessels, cost analysis)
- 5307 (fishing vessels, cost analysis)
- 5308 (fishing vessels, cost analysis)
- 5309 (fishing vessels, economic
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- 5310 (fishing vessels, economic
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- 5311 (fishing vessels, economic
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- J 44(1) : 120 (habitat selection, summer, juveniles, Atlantic salmon)
 (3) : 538 (chemical limnology, acid rain)
 (4) : 782 (chlorine compounds, lactation, grey seal, Sable I.)
 (6) : 1221 (survey techniques, fish eggs, annual variations, yellow perch, Lochaber L.)
 (9) : 1589 (mortality, variance analysis, blue mussel)
 (11) : 2002 (stock assessment, fishery management, snow crab, Cape Breton)
 : 2009 (measurement, egg production, *Calanus finmarchicus*, SW N.S.)
 TF 1493 (chemical limnology, lakes)
 1501 (aluminum speciation, acid rivers)
 1523 (acidification, invertebrates)
 1532 (fishery surveys, juveniles, demersal fishes, Sable I.)
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 1555 (tagging, potential yield, American plaice, St. Margaret's Bay)
 1561 (check lists, benthos, invertebrates, Westfield R.)
 MF 1907 (biomass, population structure, kelp)
 DF 645 (chemical limnology, rivers, Guysborough County)
 646 (chemical limnology, rivers, Cumberland County, Colchester County)
 654 (chemical limnology, rivers, Cape Breton I.)

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- J 44(9) : 1674 (Tully, J. P., 1906-1987)

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- J 44(1) : 130 (nitrogen cycle, Castle L., CA)
 : 140 (tin, bioaccumulation, *Enteromorpha* spp.)
 : 146 (hypolimnion, degradation, lakes, seston, Que.)
 (2) : 296 (trophic structure, lakes, periphyton, Eastern Townships, Que.)
 : 438 (physical-biological data, time series analysis, juveniles, capelin, Nfld.)
 : 473 (nutrients, primary production, phytoplankton, coastal waters, MA)
 (3) : 538 (chemical limnology, acid rain, rivers, N.S.)
 (4) : 743 (nitrification, oxygen depletion, L. St. George, Ont.)
 : 750 (methyl mercury, acidification, Environmental Lakes Area, NW Ont.)
 : 775 (chlorophylls, phosphorus, lakes, N.W.T.)
 : 852 (vertical advection, oxygen, lakes, Que.)
 (5) : 960 (phosphorus, sediments, lakes,

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- : 990 (limnological variables, biomass, World Lakes)
 : 1002 (models, seasonal variations, lakes, plankton, B.C.)
 : 1038 (phosphates, primary production, zooplankton)
 : 1064 (acidification, aluminum, leaf degradation, bacteria)
 : 1082 (acidity, carbon cycle, lakes, WI)
 : 1092 (oxygen, winter, freshwater lakes, Alta.)
 (6) : 1135 (suspended particulate matter, microbiological analysis, Howe Sound, B.C.)
 : 1165 (trace metals, marshes, NE North America)
 (7) : 1306 (vegetation cover, hydrology, lakes, Labrador)
 : 1337 (phosphorus, biological production, lakes, blue-green algae, Alta.)
 (8) : 1451 (heat budget, light attenuation, freshwater lakes, Saqvaquac, N.W.T.)
 (9) : 1649 (limnological equipment, enclosures, lakes)
 (11) : 1812 (snow, ions, watersheds, L. Superior)
 : 1890 (tidal cycles, catch statistics, NW Atl.)
 : 1898 (calcite, plankton, L. Michigan)
 : 1948 (ammonium compounds, water springs, river banks, Ont.)
 : 2022 (echo surveys, sound scattering, biota, Gulf Stream)
 : 2025 (size detection, periphyton, L. Memphremagog, Que.)
 (12) : 2042 (nutrients, biogeochemical cycle, L. Ontario)
 : 2047 (physical limnology, L. Ontario)
 : 2059 (chemical limnology, phosphorus, L. Ontario)
 : 2069 (chemical limnology, phosphorus, plankton, L. Ontario)
 : 2077 (phosphorus, metabolism, plankton, L. Ontario)
 : 2087 (phosphorus cycle, enzymatic activity, plankton, L. Ontario)
 : 2095 (nutrient deficiency, plankton, seston, L. Ontario)
 : 2102 (protein synthesis, measurement, plankton, lakes)
 : 2133 (nitrogen cycle, L. Ontario)
 : 2144 (fluorescence, photosynthesis, phytoplankton, L. Ontario)
 : 2155 (biomass, check lists, phytoplankton, L. Ontario)
 : 2164 (biomass, vertical distribution, picoplankton, nanoplankton, L. Ontario)
 : 2192 (nutrients, spatial variations, L. Ontario)

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 : 74 (radioactive tracers, sorption, sediments, Experimental Lakes Area, NW Ont.) (12)
 : 188 (alkalinity, sulfur, sediments, freshwater lakes) (13:1)
 : 194 (acidification, growth, *Sphagnum* spp., Experimental Lakes Area, NW Ont.) (13:2)
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 (chemical limnology, rivers, Cape Breton I., N.S.)
 (oceanographic data, Beaufort Sea Shelf)
 (surface drift, nearshore currents, Labrador)
 (current meters, calibration)
 (ocean current profiles, Doppler effects, evaluation)
 (biological oceanography, bacteria, plankton, Beaufort Sea)
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 (biological oceanography, zoobenthos, Beaufort Sea)
 (physical oceanography, Amundsen Gulf, Beaufort Sea)
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 (chemical oceanography, off B.C.)
 (physical oceanography, hydrographic data, Northwest Passage, Arctic)
 (water temperature, salinity, Northwest Passage, Arctic)
 (hydrography, ocean weather stations, NW Atl.)
 (physical oceanography, current meter data, Belle Isle Bank, NW Atl.)
 (oceanographic data, water properties, Queen Charlotte Sound, NE Pac.)
 (current measurement, sea level measurement, Northwest Passage, Arctic Archipelago)
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 J 44(9) : 1658 (water temperature, food availability, development rate)
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- J 44(8) : 1469 (biological production, population dynamics, *Barbidrilus paucisetus*, Ogeechee R., GA) (S2) : 182 (sport fishing, statistical analysis, winter, freshwater fish, L. Simcoe)
- (9) : 1574 (PCBs, bioaccumulation, L. Michigan)
- TS 5245 : (taxonomy, identification keys, Tubificidae) : 198 (environmental factors, community structure, lakes, freshwater fish)
- 5286 : (taxonomy, *Pararhyacodrilus* gen.n., *P. espersus* sp.n., *P. ekmani* sp.n., *P. palustris* sp.n., L. Baikal, USSR) : 229 (sport fishing, stock assessment, evaluation, lake trout, smallmouth bass, L. Opeongo)
- 5288 : (check lists, Tubificidae, L. Baikal, USSR) : 239 (sport fishing, community composition, yield, freshwater lakes, lake trout)
- 5328 : (taxonomy, seta, Naididae, Africa)
- Ommastrephes bartramii* (see SQUID, FLYING) TF 1487 : (benthos, check lists, L. Huron, Georgian Bay)
- Oncorhynchus gorbuscha* (see SALMON, PINK) 1495 : (research programs, reports, Great Lakes Fisheries Research Branch, Canada Centre for Inland Waters)
- keta* (see SALMON, CHUM)
- kisutch* (see SALMON, COHO)
- nerka* (see SALMON, SOCKEYE) 1496 : (lake surveys, lake selection)
- spp. (see SALMON (Pacific in general)) 1498 : (dredging, freshwater fish, Hamilton Harbour)
- tshawytscha* (see SALMON, CHINOOK) MF 1874 : (acid rain, freshwater fishes)
- 1898 : (check lists, freshwater fish, lakes)

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- J 44(1) : 3 (pollution effects, trace metals, freshwater fish)
- (2) : 382 (models, biomass, *Holopedium gibberum*, Plastic L.)
- : 390 (sedimentation rates, uranium radioisotopes, Quirke L.)
- : 458 (bioenergetics, metals, zooplankton, Blue Chalk L., Round L.)
- : 478 (reproductive behavior, environmental effects, *Hyalella azteca*, Canadian Shield lakes)
- (3) : 598 (nutrients, water temperature, blue-green algae, L. St. George)
- : 650 (biological production, community composition, lakes, plankton)
- (4) : 743 (nitrification, oxygen depletion, L. St. George)
- (5) : 1018 (acidity, reproduction, white sucker, lakes, S Ont.)
- (6) : 1102 (acidification, tolerance, *Hyalella azteca*)
- : 1112 (acidification, distribution, *Hyalella azteca*)
- (7) : 1315 (water sampling, water quality, Niagara R.)
- (8) : 1390 (avoidance reactions, camouflage, juveniles, brook trout)
- : 1425 (diseases, muscles, chemical analysis, lakes, walleye)
- : 1510 (organism aggregations, measurement, freshwater lakes, *Hyalella azteca*)
- (9) : 1652 (acidification, streams, stoneflies, mayflies, Algonquin Park)
- (10) : 1692 (acidification, lakes, rotifers, Sudbury)
- (11) : 1840 (mortality, body size,

ONTARIO, LAKE, AMERICA

- J 44(12) : 2042 (nutrients, biogeochemical cycle)
- : 2047 (physical limnology)
- : 2059 (chemical limnology, phosphorus)
- : 2069 (chemical limnology, phosphorus, plankton)
- : 2077 (phosphorus, metabolism, plankton)
- : 2087 (phosphorus cycle, enzymatic activity, plankton)
- : 2095 (nutrient deficiency, seston, plankton)
- : 2118 (light, temperature, photosynthesis, plankton)
- : 2133 (nitrogen cycle)
- : 2144 (fluorescence, photosynthesis, phytoplankton)
- : 2155 (biomass, check lists, phytoplankton)
- : 2164 (biomass, vertical distribution, picoplankton, nanoplankton)
- : 2173 (electron microscopy, morphology, picoplankton)
- : 2178 (vertical distribution, seasonal variation, zooplankton)
- : 2185 (vertical distribution, seasonal variation, Ciliophora)
- : 2192 (nutrients, spatial variations)
- : 2204 (phosphorus, sediments)
- : 2212 (biomass, phosphorus, Cladophora)
- : 2216 (thermal analysis, seston, sediments)
- : 2225 (thermal stratification, winter temperatures)

- : 2230 (nutrients, primary production, ecosystems)
- (S2) : 37 (interspecific relationships, food webs, freshwater organisms)
- : 148 (biological production, biomass, freshwater fish, Bay of Quinte)
- : 390 (interspecific relationships, predation, freshwater fish)

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Orcinus orca (see WHALE, KILLER)

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- J 44(1) : 48 (growth, density dependence, English sole)
- (2) : 452 (physiological changes, migrations, juveniles, coho salmon, Knowles Creek)
- (6) : 1267 (echo surveys, stock assessment, longfinned squid)
- (9) : 1603 (interspecific relationships, water temperature, reddsider shiner, steelhead trout)
- (11) : 1870 (population dynamics, fishery management, English sole)
- (S2) : 349 (potential yield, multispecies fisheries, flatfishes)
- TF 1483 (workshop, habitat improvement)

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- TH 87 (check lists, marine birds, Vancouver I., B.C.)

Osmerus eperlanus (see SMELT, EUROPEAN)
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OYSTER, EUROPEAN

- J 44(3) : 674 (economic analysis, marketing, Maritime Provinces)

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PACIFIC OCEAN

- J 44(3) : 490 (stock identification, electrophoresis, Pacific cod, N Pac.)
- (6) : 1122 (stock assessment, tagging, skipjack tuna, W Pac.)

PACIFIC REGION, NORTHEAST PACIFIC OCEAN

- TS 5247 (fishery industry, information services)

Pandalopsis dispar (see SHRIMP, SIDESTRIPE)

Pandalus jordani (see SHRIMP, SMOOTH PINK)
platyceros (see PRAWN, SPOT)

PARARHYACODRILUS (Oligochaeta)

- TS 5286 (taxonomy, new genera, L. Baikal, USSR)

PARARHYACODRILUS ASPERSUS (Oligochaeta)

- TS 5286 (taxonomy, new species, L. Baikal, USSR)

PARARHYACODRILUS EKMANI (Oligochaeta)

- TS 5286 (taxonomy, new species, L. Baikal, USSR)

PARARHYACODRILUS PALUSTRIS (Oligochaeta)

- TS 5286 (taxonomy, new species, L. Baikal, USSR)

Parophrys vetulus (see SOLE, ENGLISH)

Patinopecten caurinus (see SCALLOP, WEATHERVANE)

PCBs (see POLYCHLORINATED BIPHENYLS; see also POLLUTION)

Pecten albicans (see SCALLOP)
sp. (see SCALLOP)

Perca flavescens (see PERCH, YELLOW)
(*P. fluviatilis*)

PERCH, PACIFIC OCEAN (*Sebastes alutus*)
MF 1925 (frozen products, conversion factors, B.C.)

PERCH, YELLOW (*Perca flavescens*) (*P. fluviatilis*)

- J 44(3) : 549 (feeding behavior, prey selection)
- (6) : 1221 (survey techniques, fish eggs, annual variations, Lochaber L., N.S.)
- (10) : 1786 (measuring devices, mouth gape, larvae)
- (11) : 1840 (mortality, body size, juveniles, Ont.)
- : 2028 (prey, growth, zooplankton)
- (S2) : 216 (recruitment, mortality, temperature, L. Windermere, Cumbria, England)
- : 289 (fishery management, economic analysis, Green Bay, L. Michigan)
- DF 628 (mercury, water reservoirs)

Periphyton (see ALGAE)

PERU

- J 44(10) : 1684 (growth, mortality, El Niño phenomenon, Peruvian scallop, off Pisco)

Petromyzon marinus (see LAMPREY, SEA)

Phoca hispida (see SEAL, RINGED)
vitulina (see SEAL, HARBOR)

PHYSIOLOGY AND BIOCHEMISTRY

- J 44(1) : 99 (acclimation, copper,

- physiological changes, rainbow trout)
- : 105 (acclimation, copper, biochemical changes, rainbow trout)
 - : 161 (immunity, diseases, juveniles, coho salmon)
- (2) : 373 (acidification, biochemical analysis, Arctic char)
- : 399 (bioenergetics, migrations, anadromous fishes)
 - : 452 (physiological changes, migrations, juveniles, coho salmon, Knowles Creek, OR)
 - : 458 (bioenergetics, metals, zooplankton, Blue Chalk L., Round L., Ont.)
- (3) : 630 (carbohydrate metabolism, acidification, brook trout)
- : 636 (immunity, toxicants, rainbow trout)
- (4) : 722 (lipids, chromatographic techniques, marine organisms)
- : 736 (metabolism, nitrogen, *Chrysochromulina breviturrita*, Experimental Lakes Area, NW Ont.)
 - : 782 (chlorine compounds, lactation, grey seal, Sable I., N.S.)
 - : 846 (temperature effects, biliary excretion, rainbow trout)
- (6) : 1157 (embryonic development, body size, females, American lobster, Iles de la Madeleine, Que.)
- : 1257 (lead, bioaccumulation, *Ankistrodesmus falcatus*)
- (7) : 1301 (stock identification, DNA, NE Pac.)
- : 1462 (photoperiods, osmoregulation, juveniles, Atlantic salmon)
- (9) : 1614 (protein synthesis, swimming, growth, rainbow trout)
- : 1629 (thermoregulation, predation, bluegill)
 - : 1635 (permeability, ions, embryos, Atlantic salmon)
 - : 1661 (lesions, regeneration, white whale)
- (10) : 1702 (stock identification, genetic variation, chum salmon, B.C.)
- : 1765 (calcium, amino acids, heart, green crab)
 - : 1775 (stock identification, phenotypic variations, brown trout, Norway)
- (11) : 1930 (ovulation, sex hormones, coho salmon)
- : 1995 (nutritional requirements, proteins, fishes)
- (12) : 2102 (protein synthesis, measurement, plankton, lakes)
- : 2118 (light, temperature, photosynthesis, plankton, L. Ontario)
- (S1) : 107 (calcium, acidification, crayfishes, Experimental Lakes Area, NW Ont.)
- : 126 (histopathology, gills, acidification, pearl dace, fathead minnow, Experimental Lakes Area, NW Ont.)
 - : 150 (respiration, light, acidification, periphyton, Experimental Lakes Area, NW Ont.)
- TF 1515 (acclimation, sea water, juveniles, salmonids)
- IF 177(2) (processed fishery products, biochemical analysis, Atlantic cod, crustaceans)
- TS 5256 (physiology, teeth, fishes)
- 5306 (microbiological analysis, fishery products, *Vibrio parahaemolyticus*, Japan)
- PIKE, NORTHERN (*Esox lucius*)
- J 44(2) : 304 (feeding behavior, predation, juveniles)
 - (3) : 556 (genetic variation, postglacial dispersal, North America)
 - (S2) : 216 (recruitment, mortality, temperature, L. Windermere, Cumbria, England)
- Pimephales promelas* (see MINNOW, FATHEAD)
- Placopecten magellanicus* (see SCALLOP, SEA)
- (giant scallop)
- PLAICE AMERICAN (*Hippoglossoides platessoides*)
- TF 1513 (parasites, sealworm, E Canada)
 - 1555 (tagging, potential yield, St. Margaret's Bay, N.S.)
- PLANKTON
- J 44(1) : 83 (nutrient enrichment, species composition, phytoplankton)
 - : 167 (pollution effects, waste water, phytoplankton, Saint Louis R., Que.)
 - : 176 (orthophosphate, phytoplankton, zooplankton, L. Memphremagog, Que., VT)
 - (2) : 458 (bioenergetics, metals, zooplankton, Blue Chalk L., Round L., Ont.)
 - : 473 (nutrients, primary production, phytoplankton, coastal waters, MA)
 - (3) : 499 (primary production, growth, phytoplankton, L. Michigan)
 - : 509 (thermal stratification, phytoplankton, L. Michigan)
 - : 639 (distribution, environmental effects, lakes, phytoplankton, Nfld.)
 - : 650 (biological production, community composition, lakes, Ont.)
 - (5) : 1002 (models, biomass, seasonal variations, lakes, B.C.)
 - : 1038 (phosphates, primary production, zooplankton)
 - : 1045 (prediction, primary production, phytoplankton)
 - (7) : 1278 (growth, nutrients, phytoplankton)

- (10) : 1714 (pesticides, feeding behavior, zooplankton)
 : 1768 (nutrients, community composition, freshwater, phytoplankton)
 (11) : 1898 (calcite, L. Michigan)
 : 2012 (predator-prey relationship, larval fish, zooplankton)
 : 2028 (prey, growth, zooplankton, yellow perch)
 (12) : 2069 (chemical limnology, phosphorus, L. Ontario)
 : 2077 (phosphorus, metabolism, L. Ontario)
 : 2087 (phosphorus cycle, enzymatic activity, L. Ontario)
 : 2095 (nutrient deficiency, L. Ontario)
 : 2102 (protein synthesis, measurement, lakes)
 : 2118 (light, temperature, photosynthesis, L. Ontario)
 : 2144 (fluorescence, photosynthesis, phytoplankton, L. Ontario)
 : 2155 (biomass, check lists, phytoplankton, L. Ontario)
 : 2164 (biomass, vertical distribution, picoplankton, nanoplankton, L. Ontario)
 : 2173 (electron microscopy, morphology, picoplankton, L. Ontario)
 : 2178 (vertical distribution, seasonal variation, zooplankton, L. Ontario)
 (S1) : 35 (nutrients, Experimental Lakes Area, NW Ont.)
 : 47 (primary production, fertilizers, Experimental Lakes Area, NW Ont.)
 : 83 (acidification, light attenuation, phytoplankton, Experimental Lakes Area, NW Ont.)
 : 91 (vertical distribution, acidification, zooplankton, Experimental Lakes Area, NW Ont.)
 : 154 (equipment, impoundments, zooplankton)
 : 163 (cadmium, acidification, zooplankton, Experimental Lakes Area, NW Ont.)
 : 264 (dry weight, organism morphology, zooplankton, Experimental Lakes Area, NW Ont.)
 (S2) : 141 (interspecific relationships, recruitment, freshwater fish, L. Michigan)
 B 214 (microorganisms, photosynthesis, picoplankton, World Oceans)
 MF 1915 (feeding behavior, stomach content, chinook salmon, Campbell R., Discovery Passage, Vancouver I., B.C.)
 DF 532 (surveys, zooplankton, Browns Bank, NW Atl.)
 558 (feeding behavior, stomach content, phytoplankton, zooplankton, Frobisher Bay, Arctic)
 575 (check lists, abundance, phytoplankton, Frobisher Bay, Arctic)
 618 (biological sampling, check lists, zooplankton, Campbell R., Vancouver I., B.C.)
 DH 5(9) (biological oceanography, Beaufort Sea)
 (11) (biological oceanography, zoobenthos, Beaufort Sea)
 PLATYHELMINTHES (flatworms)
 TS 5331 (Monogenea, *Neoheterobothrium* gen.n., *N. syacii* sp.n., Gulf of Mexico)
 PLECOPTERA (stoneflies)
 J 44(9) : 1652 (acidification, streams, Algonquin Park, Ont.)
 TF 1512 (acidification, behavioral responses, *Acroneuria lycurias*)
Pollachius virens (see POLLOCK)
 POLLOCK (*Pollachius virens*)
 TF 1457 (morphology, stock identification, Gulf of Maine, Scotian Shelf, NW Atl.)
 POLLOCK, WALLEYE (*Theragra chalcogramma*)
 J 44(11) : 1972 (diets, cannibalism, E Bering Sea)
 TS 5326 (quality assurance, minced products, Japan)
 POLLUTION
 J 44(1) : 3 (trace metals, sediments, freshwater fish, Ont.)
 : 91 (effects, cadmium, sea scallop, Chaleur Bay, N.B., Georges Bank, Browns Bank, NW Atl.)
 : 99 (acclimation, copper, physiological changes, rainbow trout)
 : 105 (acclimation, copper, biochemical changes, rainbow trout)
 : 134 (coal leachates, spermatogenesis, mummichogs)
 : 167 (waste water, phytoplankton, bacteria, algae, Saint Louis R., Que.)
 (2) : 373 (acidification, feeding behavior, Arctic char)
 : 390 (sedimentation rates, uranium radioisotopes, Quirke L., Ont.)
 : 458 (metals, bioenergetics, zooplankton, Blue Chalk L., Round L., Ont.)
 (3) : 630 (acidification, carbohydrate metabolism, brook trout)
 : 658 (placer mining, sediments, Arctic grayling, Yukon R., Y.T.)
 (4) : 782 (chlorine compounds, lactation, grey seal, Sable I., N.S.)
 : 859 (bioaccumulation, time series)

- analysis, Atlantic cod) 1512 (acidification, behavioral responses, *Acroneuria lyctorias*)
- (5) : 1018 (acidity, reproduction, white sucker, lakes, S Ont.) 1519 (heavy metals, sea scallop, Maritime Provinces)
- : 1064 (acidification, aluminum, leaf degradation, bacteria) 1523 (acidification, invertebrates, N.B., N.S.)
- (6) : 1102 (acidification, tolerance, *Hyalella azteca*, Ont.) 1551 (monitoring, acidification, wetlands, Experimental Lakes Area, NW Ont.)
- : 1112 (acidification, distribution, *Hyalella azteca*, Plastic L., Ont.) 1575 (water pollution, environmental management, Canada)
- (7) : 1270 (carcinogens, cytochromes, winter flounder, off MA) MF 1874 (acid rain, freshwater fishes, Ont.)
- : 1315 (water sampling, water quality, Niagara R., Ont.) 1942 (analytical techniques, aquatic environment)
- (8) : 1418 (aluminum, acidification, juveniles, lake trout) DF 568F (bioaccumulation, heavy metals, PCBs, marine organisms, Baie des Anglais, Que.)
- : 1432 (acidification, survival, freshwater fish, Adirondack region, NY) 610 (mercury, sources, forage fish, Churchill R., Man.)
- : 1475 (acidification, rivers, juveniles, Atlantic salmon, N.S.) 628 (mercury, water reservoirs, yellow perch)
- (9) : 1574 (PCBs, bioaccumulation, oligochaetes, L. Michigan) TH 89 (mining, benthos, invertebrates, Alice Arm, B.C.)
- : 1584 (acidification, paleolimnology, algae, Cone Pond, NH) CH 27 (ocean dumping, Pacific region, Canada)
- : 1595 (acidification, snow, freshwater lakes, Adirondack Mountains, NY) TS 5251 (fish farming effluents, rainbow trout, Archipelagic Sea, Finland)
- : 1622 (aluminum, acidification, American toad, spotted salamander) 5267 (effects, fish farms, benthos, Sipoo Bay, Finland)
- : 1652 (acidification, streams, mayflies, stoneflies, Algonquin Park, Ont.) 5268 (effects, fish farms, Finland)
- : 1669 (oil spills, periphyton, Wolf Lodge Creek, ID) 5269 (effects, fish farms, Archipelagic Sea, Finland)
- (10) : 1692 (acidification, lakes, rotifers, Sudbury, Ont.) 5270 (power plants, reservoir fisheries, pollution control, Sweden)
- : 1714 (pesticides, feeding behavior, zooplankton) 5271 (fish culture, pollution control, planning, Finland)
- (S1) : 126 (acidification, histopathology, gills, pearl dace, fathead minnow, Experimental Lakes Area, NW Ont.) 5272 (fish culture, pollution control, Finland)
- : 135 (acidification, periphyton, Experimental Lakes Area, NW Ont.) 5283 (pollution control, phosphorus, Finland)
- : 163 (cadmium, acidification, zooplankton, Experimental Lakes Area, NW Ont.) 5330 (pollution control, freeze-drying)
- : 173 (biotic factors, abiotic factors, neutralizing acidity, Experimental Lakes Area, NW Ont.) 5333 (effects, PCBs, rainbow smelt, L. Erie)
- : 206 (acid rain, chemical pollutants, Experimental Lakes Area, NW Ont.)
- : 214 (radioisotopes, acid rain, sediments, Experimental Lakes Area, NW Ont.)
- TF 1307 (oil and gas industry, drilling fluids, winter flounder, E Canada)
- 1442 (biodegradation, petroleum)
- 1476 (acidification, growth, white sucker, Experimental Lakes Area, NW Ont.)
- 1490 (mercury, methyl mercury, Southern Indian L., Man.)
- 1497 (biological tissue, archives, Great Lakes)
- 1501 (aluminum speciation, acid rivers, N.S.)
- POLYCHLORINATED BIPHENYLS (PCBs) (see also POLLUTION)
- J 44(9) : 1574 (bioaccumulation, oligochaetes, L. Michigan)
- TS 5333 (pollution effects, rainbow smelt, L. Erie)
- POPULATION DYNAMICS
- J 44(3) : 605 (fishery recruitment data, mathematical analysis)
- (4) : 712 (mortality, body size, juveniles, sockeye salmon, Babine L., B.C.)
- : 882 (recruitment, density dependence, Atlantic herring, NW Atl.)
- : 913 (recruitment, fishery management)
- (7) : 1321 (sexual maturity, anadromous migrations, juveniles, Atlantic

- salmon)
- (8) : 1469 (biological production, *Barbidrilus paucisetus*, Ogechee R., GA)
- : 1485 (fecundity, sea temperature, Pacific herring, B.C.)
- : 1496 (sexual maturity, oocyte measurement, Pacific herring)
- (9) : 1551 (recruitment, mathematical models, sockeye salmon, Adams R., B.C.)
- : 1589 (mortality, variance analysis, blue mussel, N.S.)
- (10) : 1684 (growth, mortality, El Niño phenomenon, Peruvian scallop, off Pisco, Peru)
- : 1737 (fecundity, biological development, population growth, aquatic Diptera)
- : 1791 (survival, flooding, sockeye salmon)
- (11) : 1870 (recruitment, spawning, fishery management, English sole, WA, OR)
- (S1) : 55 (fertilizers, lake whitefish, Experimental Lakes Area, NW Ont.)
- : 97 (fecundity, acidification, crayfishes, Experimental Lakes Area, NW Ont.)
- : 114 (growth, recruitment, acidification, freshwater fish, Experimental Lakes Area, NW Ont.)
- (S2) : 15 (fishery management, walleye, L. Erie)
- : 216 (recruitment, mortality, growth, yellow perch, northern pike, L. Windermere, Cumbria, England)
- : 313 (recruitment, abiotic factors, biotic factors, lakes, whitefish, L. Michigan)
- : 371 (stock assessment, yield, deepwater ciscoes, L. Michigan, L. Huron)
- B 216 (life cycle, ringed seal, W Arctic)
- TF 1316F (population structure, brook trout, Laflamme L., Que.)
- 1482(1) (biological data, resource management, Pacific salmon, B.C.)
- (2) (biological data, resource management, Pacific salmon, B.C.)
- MF 1937 (reproductive biology, Pacific cod, English sole, Hecate Strait, NE Pac.)
- DF 652 (sexual maturity, length, Pacific cod, Hecate Strait, NE Pac.)
- TS 5277 (sexual maturity, growth, ringed seal, Okhotsk Sea, USSR)
- models, fisheries management)
- (7) : 1301 (stock identification, DNA, chinook salmon, NE Pac.)
- (11) : 1936 (length, age, metamorphosis, winter flounder, Conception Bay, Nfld.)
- TF 1316F (population dynamics, brook trout, Laflamme L., Que.)
- 1535 (stock identification, fishery management, sockeye salmon, Stikine R., B.C.)
- MF 1907 (biomass, kelp, N.S.)
- 1913 (age composition, size, eulachon, Fraser R. estuary, B.C.)
- DF 616 (length, weight, salmonids, Campbell R. estuary, Discovery Passage, Vancouver I., B.C.)
- 621 (length, Pacific cod, B.C.)
- 630 (length, weight, juveniles, salmonids, Campbell R. estuary, Discovery Passage, Vancouver I., B.C.)
- PRAWN, SPOT (*Pandalus platyceros*)
- MF 1936 (fishery surveys, estuaries, juveniles, Howe Sound, B.C.)
- PREDATION AND COMPETITION
- J 44(1) : 40 (competitors, spawning grounds, brown trout, rainbow trout, Alexandrina L., New Zealand)
- : 192 (growth, food availability, juveniles, chum salmon)
- : 222 (mathematical models, fish larvae, marine fish)
- (2) : 236 (predation, biotic factors, juveniles, chum salmon, freshwater fish, Big Beef Creek, WA)
- : 467 (predation, food availability, larvae, bloater, alewife)
- (3) : 525 (predation, Pacific herring, Pacific salmon, river lamprey, Strait of Georgia, NE Pac.)
- (5) : 941 (predation, common merganser, Pacific salmon, E Vancouver I., B.C.)
- : 950 (predation, common merganser, Pacific salmon, E Vancouver I., B.C.)
- (9) : 1529 (prey selection, mathematical analysis)
- : 1534 (mortality, capelin, larvae, jellyfish)
- : 1603 (interspecific relationships, water temperature, redbreasted shiner, steelhead trout, W OR)
- : 1629 (thermoregulation, predation, bluegill)
- (11) : 1840 (mortality, body size, juveniles, yellow perch, Ont.)
- : 2012 (predator-prey relationship, larval fish, Atlantic mackerel, zooplankton)
- : 2028 (prey, growth, zooplankton, yellow perch)
- (S2) : 10 (interspecific relationships,
- POPULATION STRUCTURE
- J 44(2) : 244 (spawning populations, environmental effects, chum salmon, B.C.)
- (4) : 712 (body size, mortality, juveniles, sockeye salmon, Babine L., B.C.)
- (5) : 924 (body weight, mathematical

- freshwater fish, South Bay, L. Huron)
- : 37 (interspecific relationships, food webs, freshwater organisms, L. Ontario)
 - : 53 (interspecific relationships, food webs, freshwater fish, L. Michigan)
 - : 84 (interspecific relationships, ecological stability, multispecies fisheries)
 - : 104 (interspecific relationships, ecological balance, freshwater fish, Great Lakes)
 - : 141 (interspecific relationships, recruitment, freshwater fish, zooplankton, L. Michigan)
 - : 216 (interspecific relationships, intraspecific relationships, yellow perch, northern pike, L. Windermere, Cumbria, England)
 - : 249 (interspecific relationships, colonization, freshwater fish, rainbow smelt, Great Lakes region)
 - : 298 (interspecific relationships, bioeconomic analysis, alewife, salmonids, L. Michigan)
 - : 390 (interspecific relationships, predation, freshwater fish, L. Ontario)
 - : 404 (interspecific relationships, fishery management, salmonids, sea lamprey, L. Superior)
- TF 1488 (culture tanks, competition, algae)
- 1491 (interspecific relationships, food chains, marine mammals, Arctic cod, Arctic)
- 1546 (benthic surveys, interspecific relationships, green sea urchin, aquatic plants, N.S.)
- DF 651 (fishery surveys, interspecific relationships, Pacific cod, sablefish, spiny dogfish, Pacific herring, SE Vancouver I., B.C.)
- PRODUCTION
- J 44(1) : 176 (orthophosphate, phytoplankton, zooplankton, L. Memphremagog, Que., VT)
- : 198 (primary, particulate flux, marine environment)
- (2) : 473 (nutrients, phytoplankton, coastal waters)
- (3) : 499 (primary, growth, phytoplankton, L. Michigan)
- : 598 (nutrients, water temperature, blue-green algae, L. St. George, Ont.)
 - : 619 (nutrients, lotic environment, periphyton)
 - : 650 (community composition, lakes, plankton, Ont.)
- (5) : 1045 (primary, predation, phytoplankton)
- (6) : 1247 (habitat improvement, Keogh R., B.C.)
- (7) : 1337 (phosphorus, lakes, blue-green algae, Alta.)
- (8) : 1408 (primary, impoundment, Southern Indian L., Man.)
- : 1469 (population dynamics, *Barbidrilus paucisetus*, Ogechee R., GA)
- (S1) : 47 (primary, fertilizers, phytoplankton, Experimental Lakes Area, NW Ont.)
- : 83 (acidification, light attenuation, phytoplankton, Experimental Lakes Area, NW Ont.)
 - : 136 (biological, models, biomass)
 - : 148 (biological, biomass, freshwater fish, Bay of Quinte, L. Ontario)
- TF 1538 (stock assessment, juveniles, Atlantic salmon, brook trout, Highlands R., St. George's Bay, Nfld.)
- 1555 (potential yield, tagging, American plaice, St. Margaret's Bay, N.S.)
- PROTOZOA
- J 44(7) : 1379 (parasitic indicators, spawning populations, *Eimeria sardinae*, Atlantic herring, E Canada)
- (12) : 2185 (vertical distribution, seasonal variation, Ciliophora, L. Ontario)
- TH 71 (check lists, fossil foraminifera, NW Atl.)
- TS 5300 (introduced species, parasitic diseases, *Myxosoma cerebralis*, California trout, Yugoslavia)
- Pseudopleuronectes americanus* (see FLOUNDER, WINTER)
- Pseudoterranova decipiens* (see SEALWORM)
- Ptychoramphus aleuticus* (see AUKLET, CASSIN'S)
- Q
- QUEBEC (PROVINCE), CANADA
- J 44(1) : 146 (hypolimnion, degradation, lakes, seston)
- : 167 (pollution effects, waste water, phytoplankton, bacteria, algae, Saint Louis R.)
 - : 176 (orthophosphate, phytoplankton, zooplankton, L. Memphremagog)
- (2) : 296 (trophic structure, lakes, periphyton, Eastern Townships)
- : 368 (bacterial diseases, disease transmission, *Aerococcus viridans* var. *homari*, American lobster, Magdalen Is.)
- (4) : 732 (biomass, echosounders, aquatic plants)
- : 852 (vertical advection, oxygen, lakes)
- (6) : 1157 (embryonic development, body

- size, females, American lobster, Iles de la Madeleine)
 (9) : 1666 (surface waves, water depth, lakes)
 (11) : 1855 (growth, life history, juveniles, American lobster, Iles de la Madeleine)
 : 2025 (size distribution, periphyton, L. Memphremagog)
 TF 1316F (population structure, population dynamics, brook trout, Laflamme L.)
 1537 (check lists, benthic invertebrates, Ungava Bay)
 DF 568F (bioaccumulation, heavy metals, PCBs, marine organisms, Baie des Anglais)
 TS 5319 (aquaculture techniques, economic analysis, American lobster, Magdalen Is.)

Queen Charlotte Islands (see BRITISH COLUMBIA)

Queen Charlotte Sound (see NORTHEAST PACIFIC OCEAN)

R

- REDFISH (*Sebastes marinus*) (ocean perch) (golden redfish)
 TF 1578 (distribution, abundance, Davis Strait, NW Atl.)

- REDFISH, DEEPWATER (*Sebastes mentella*) (beaked redfish)
 TF 1578 (distribution, abundance, Davis Strait, NW Atl.)

Redfish, golden (see REDFISH (ocean perch))

- REDFISHES (*Sebastes* spp.) [Atl.] (see also names of species)
 TF 1530 (fishery surveys, economic analysis, Nfld.)

Reinhardtius hippoglossoides (see HALIBUT, GREENLAND)

Renibacterium (see DISEASES AND PARASITES)

REPRODUCTION

- J 44(1) : 152 (growth, fecundity, weathervane scallop, B.C.)
 (2) : 476 (spawning, lentic environment, Pacific lamprey, Babine L., B.C.)
 (5) : 1018 (acidity, white sucker, lakes, S Ont.)
 (6) : 1157 (embryonic development, body size, females, American lobster, Iles de la Madeleine, Que.)
 (9) : 1562 (breeding, parasitism, pink salmon, sea lamprey, Carp R., E L. Superior)
 (10) : 1743 (potential, water temperature, aquatic Diptera)
 (S1) : 97 (fecundity, acidification, crayfishes, Experimental Lakes

- Area, NW Ont.)
 MF 1937 (population dynamics, Pacific cod, English sole, Hecate Strait, NE Pac.)
 TS 5321 (developmental stages, morphology, scallop, Japan)

RESEARCH INSTITUTIONS

- TF 1495 (research programs, reports, Great Lakes Fisheries Research Branch, Canada Centre for Inland Waters, Ont.)
 MF 1948 (research programs, personnel, St. Andrews, N.B.)

Richardsonius balteatus (see SHINER, REDSIDE)

ROCKFISHES (*Sebastes* spp.) [Pac.] (see also names of species)

- J 44(9) : 1544 (acoustic assays, stock assessment, NE Pac.)
 TF 1510 (biomass surveys, Dixon Entrance, NE Pac.)
 MF 1903 (catch/effort, stock assessment, Strait of Georgia, NE Pac.)

ROTATORIA (rotifers)

- J 44(10) : 1692 (acidification, lakes, Sudbury, Ont.)

Rotifers (see ROTATORIA)

S

SABLEFISH (*Anoplopoma fimbria*) (blackcod)

- J 44(4) : 905 (age determination, methodology, B.C.)
 DF 651 (fishery surveys, interspecific relationships, Pacific cod, spiny dogfish, Pacific herring, SE Vancouver I., B.C.)

SALAMANDER, SPOTTED (*Ambystoma maculatus*)

- J 44(9) : 1622 (aluminum, acidification)

Salmo clarki (see TROUT, CUTTHROAT)

clarki clarki (see TROUT, COASTAL CUTTHROAT)

gairdneri (see TROUT, RAINBOW; see also TROUT, STEELHEAD)

gairdneri irideus (see TROUT, CALIFORNIA)

salar (see SALMON, ATLANTIC)

trutta (see TROUT BROWN)

SALMON (Pacific in general) (*Oncorhynchus* spp.)

- J 44(2) : 316 (hatchery methods, tagging-recapture data, B.C.)
 (3) : 525 (predation, river lamprey, Strait of Georgia, NE Pac.)
 (5) : 941 (predation, common merganser, E Vancouver I., B.C.)
 : 950 (predation, common merganser, E Vancouver I., B.C.)
 : 1031 (escapement, methodology)
 TF 1482(1) (biological data, resource management, B.C.)

- 1482(2) (biological data, resource management, B.C.)
- 1494 (catch statistics, trolling, B.C.)
- MF 1870 (classification systems, escapement, B.C.)
- DF 601 (escapement, rivers, S B.C.)
- 636 (fishery surveys, juveniles, Hecate Strait, NE Pac.)
- 647 (fish food, chemical analysis, B.C.)
- SALMON, ATLANTIC (*Salmo salar*)**
- J 44(1) : 120 (habitat selection, summer, juveniles, N.B., N.S.)
- : 210 (turbines, mortality, juveniles)
- (2) : 337 (rearing, evaluation, Nfld.)
- (4) : 702 (temperature, light, kelt)
- (5) : 1079 (growth, diets, juveniles)
- (7) : 1321 (sexual maturity, anadromous migrations, juveniles)
- (8) : 1462 (photoperiods, osmoregulation, juveniles)
- : 1475 (acidification, rivers, juveniles, N.S.)
- (9) : 1635 (permeability, ions, embryos)
- TF 1485 (feeding behavior, mayflies, caddisflies, St. Croix R., N.B.)
- 1538 (stock assessment, biomass, juveniles, Highlands R., St. George's Bay, Nfld.)
- MF 1906 (bubble disease, hydroelectric power plants, Mactaquac, N.B.)
- 1918 (stocking, aquaculture techniques, fingerlings, Pointe Wolfe R., N.B.)
- 1931 (brood stocks, aquaculture regulations, Nfld.)
- 1933 (habitat improvement, spawning grounds)
- 1938 (fishery surveys, fishways, Magaguadavic R., N.B.)
- DF 663 (sport fishing, catch statistics, Maritime Provinces)
- 664 (fishery surveys, fishways, Beechwood Dam, N.B.)
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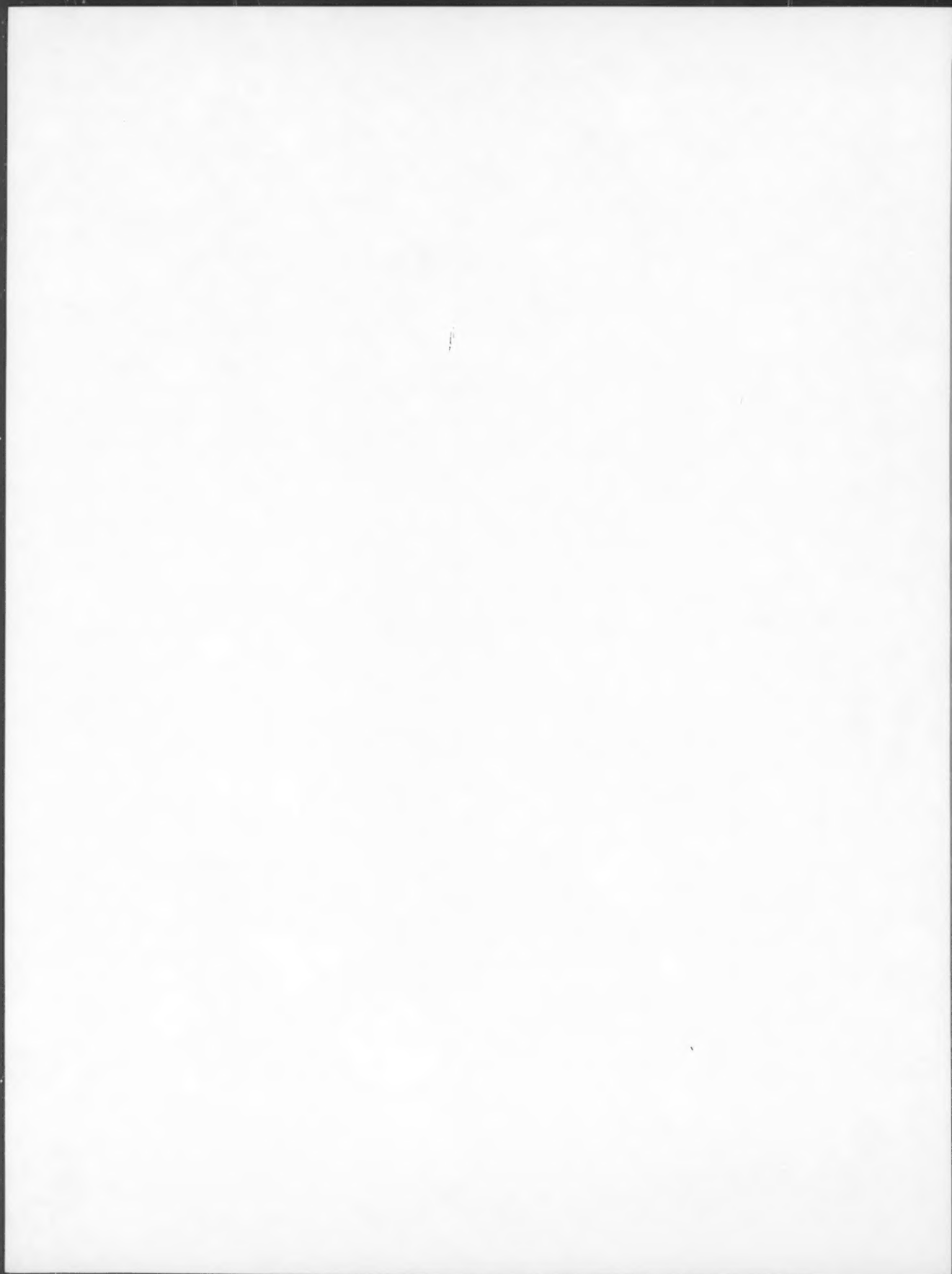
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Abbreviations/Abréviations

- J - Canadian Journal of Fisheries and Aquatic Sciences/Journal canadien des sciences halieutiques et aquatiques
- SP - Canadian Special Publication of Fisheries and Aquatic Sciences/Publication spéciale canadienne des sciences halieutiques et aquatiques
- B - Canadian Bulletin of Fisheries and Aquatic Sciences/Bulletin canadien des sciences halieutiques et aquatiques
- AR - Annual Report/Rapport annuel
- TF - Canadian Technical Report of Fisheries and Aquatic Sciences/Rapport technique canadien des sciences halieutiques et aquatiques
- MF - Canadian Manuscript Report of Fisheries and Aquatic Sciences/Rapport manuscrit canadien des sciences halieutiques et aquatiques
- DF - Canadian Data Report of Fisheries and Aquatic Sciences/Rapport statistique canadien des sciences halieutiques et aquatiques
- IF - Canadian Industry Report of Fisheries and Aquatic Sciences/Rapport canadien à l'industrie sur les sciences halieutiques et aquatiques
- TH - Canadian Technical Report of Hydrography and Ocean Sciences/Rapport technique canadien sur l'hydrographie et les sciences océaniques
- DH - Canadian Data Report of Hydrography and Ocean Sciences/Rapport statistique canadien sur l'hydrographie et les sciences océaniques
- CH - Canadian Contractor Report of Hydrography and Ocean Sciences/Rapport canadien des entrepreneurs sur l'hydrographie et les sciences océaniques
- TS - Canadian Translation of Fisheries and Aquatic Sciences/Traduction canadienne des sciences halieutiques et aquatiques
- R - Reprinted/réimprimé
- Rev. - Revised/révisé
- F - French/français

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Baker, I. J. - DF 609

Baker, R. L. - J 44(9) : 1658

Bakken, E. - TF 1555

Barila, T. Y. - J 44(1) : 206

Barner, L. W. - J 44(10) : 1702

Barney, W. - TF 1548

Barton, D. R. - TF 1487

Bastien-Daigle, S. - IF 176

Batts, W. N. - J 44(5) : 1071
- : 1075

Bax, N. J. - J 44(S2) : 448

Bayley, S. E. - J 44(S1) : 194

Beacham, T. D. - J 44(2) : 244
- (10) : 1702
- TF 1517

Beamish, F. W. H. - J 44(2) : 476
- (4) : 901

Beamish, R. J. - J 44(2) : 476
- (3) : 525
- (4) : 905
- (10) : 1779

Beaty, K. G. - J 44(S1) : 194
- TF 1551

Beckenbach, A. T. - J 44(7) : 1301

Behnke, R. J. - J 44(11) : 1830

Behr, R. - J 44(S1) : 194

Behrens Yamada, S. - J 44(6) : 1206
- (8) : 1502

Bell, G. R. - TF 1534

Bell, T. G. - J 44(11) : 1985

Bennett, L. - J 44(4) : 909

Bérézay, G. F. - MF 1946

Bergmann, M. A. - J 41(8) : 1451

Bergstedt, R. A. - J 44(S2) : 390

Bernard, M. - DF 663

Bernatchez, L. - J 44(2) : 399

Bernier, G. - IF 176

Bertheussen, B. A. - TS 5265

Bertrand, P. - DF 568F

Beune, H. - MF 1926

Bevan, D. J. - J 44(8) : 1507

Bezanson, D. - TH 51

Bijsterveld, L. - MF 1914
- DF 627

Bilby, R. E. - J 44(8) : 1397

Binkowski, F. P. - J 44(2) : 467

Birch, J. R. - DH 5(12)
- (14)
- 37(2)

Birkett, L. - J 44(3) : 630

Birtwell, I. K. - J 44(3) : 658
- (6) : 1233
- (7) : 1343
- MF 1913
- 1926

Bishop, R. C. - J 44(S2) : 289

Bisson, P. A. - J 44(8) : 1397

Bjarnason, J. - TS 5323

Black, R. W. - J 44(8) : 1432

- Blackburn, J. - TF 1515
- Blackett, R. F. - J 44(1) : 66
- Blyth, A. - DH 5(11)
- Bobbitt, J. - TF 1562
- Bodaly, R. A. - DF 610
- 628
- Bond, W. A. - DF 635
- Bonnell, G. - TF 1354
- Borgmann, U. - J 44(S2) : 136
- : 471
- Bothwell, M. L. - J 44(6) : 1247
- Botta, J. R. - TF 1354
- Boudreau, P. R. - J 44(11) : 1915
- Boulding, E. G. - TF 1457
- Bourne, N. F. - J 44(1) : 152
- Bousfield, E. L. - B 217
- Boutros, O. - J 44(2) : 473
- Bowen, S. H. - J 44(11) : 1995
- Bowen, W. D. - J 44(2) : 282
- Bowering, W. R. - TF 1578
- Bowman, G. T. - J 44(11) : 2018
- Bowser, C. J. - J 44(5) : 1082
- Boyce, R. - TH 70
- Boynton, W. R. - J 44(1) : 83
- Bradford, M. J. - J 44(1) : 48
- (11) : 1870
- : 1879
- Bradstreet, M. S. W. - TF 1491
- Brett, J. R. - J 44(2) : 348
- Brezonik, P. L. - J 44(5) : 1082
- Brinkhurst, R. O. - TH 84
- 85
- 88
- 89
- Brodie, P. F. - J 44(4) : 782
- Brouwer, D. - MF 1901
- Brown, E. H. Jr. - J 44(S2) : 371
- : 417
- Brown, L. M. - J 44(4) : 736
- Brown, S. B. - J 44(2) : 373
- Brown, T. G. - J 44(2) : 262
- Brown, T. J. - MF 1915
- 1935
- DF 612
- 616
- 617
- 618
- 630
- 650
- Bruce-Allen, L. J. - J 44(9) : 1661
- Brunskill, G. J. - J 44(S1) : 215
- Brusven, M. A. - J 44(9) : 1669
- Buckingham, W. R. - DH 39(2)
- (3)
- 51(1)
- (2)
- (3)
- Buckley, J. R. - DH 45
- Buckley, L. J. - J 44(1) : 14
- Buerkle, U. - J 44(10) : 1782
- MF 1902
- Burczynski, J. - J 44(6) : 1261
- Burd, B. J. - TH 84
- 88
- 89
- Burns, T. - MF 1865
- Butorina, T. Ye. - TS 5285
- C
- Cabilio, P. - J 44(11) : 1890
- Caldwell, B. A. - J 44(6) : 1135
- Cameron, T. A. - TF 1503
- Campana, S. E. - J 44(11) : 1922
- TF 1569
- Campbell, C. - TF 1562
- Campbell, N. E. R. - J 44(4) : 750
- Campton, D. E. - J 44(3) : 573
- Cankovic, M. - TS 5300
- Caraco, N. - J 44(2) : 473
- Carberry, G. - TF 1548

- Carlisle, J. C. - J 44(1) : 210
- Caron, D. A. - J 44(12) : 2164
- Carter, E. W. - DF 640
- 653
- Carter, J. A. - MF 1907
- Carter, J. C. H. - J 44(10) : 1737
- : 1743
- Carver, C. E. A. - J 44(9) : 1589
- Casillas, E. - J 44(1) : 219
- Cass, A. J. - MF 1903
- 1934
- Castell, J. D. - J 44(8) : 1443
- Cattaneo, A. - J 44(2) : 296
- (11) : 2025
- Cerutti, G. - TS 5330
- Chadwick, E. M. P. - J 44(7) : 1320
- Chalanchuk, S. M. - J 44(S1) : 55
- : 114
- TF 1476
- Chalmers, D. - MF 1924
- Chamberlin, T. W. - MF 1821
- Chambers, P. A. - J 44(9) : 1666
- Chambers, R. C. - J 44(11) : 1936
- Chan, L. - DF 643(1)
- Chandra, C. V. - IF 177
- Chang-Kue, K. T. J. - DF 660
- Charlton, M. N. - J 44(12) : 2216
- : 2230
- Chau, Y. K. - J 44(6) : 1173
- : 1257
- Chen, J. - J 44(10) : 1753
- Chiasson, S. - IF 178F
- Chilton, D. - MF 1913
- Chiperzak, D. B. - DF 661
- Chopin, T. - TF 1514
- Chou, C. L. - J 44(1) : 91
- (8) : 1443
- Christie, W. J. - J 44(S2) : 7
- : 37
- : 431
- : 439
- : 448
- : 486
- Cibik, S. J. - J 44(1) : 83
- Ciborowski, J. J. H. - J 44(4) : 832
- Clair, T. A. - J 44(3) : 538
- Clark, K. L. - J 44(9) : 1622
- Clarke, K. - TF 1530
- Clarke, W. C. - TF 1515
- Clay, C. S. - J 44(4) : 811
- (11) : 2022
- Clay, D. - MF 1910
- Claytor, R. R. - J 44(7) : 1320
- TF 1531
- Cleland, G. B. - J 44(3) : 636
- Clifford, P. - J 44(1) : 210
- Cobb, D. G. - DF 625
- Cochran, R. C. - J 44(1) : 134
- Cochrane, N. A. - TH 68
- Coffen, S. S. - J 44(9) : 1589
- Cohen, Y. - J 44(S2) : 75
- : 171
- : 404
- Colby, P. J. - J 44(S2) : 104
- : 417
- : 486
- Cole, J. J. - J 44(1) : 214
- Collie, J. S. - J 44(2) : 357
- (9) : 1551
- Collins, J. J. - J 44(S2) : 129
- : 411
- : 431
- : 439
- Collins, R. H. - MF 1772
- Confer, J. L. - J 44(9) : 1529
- (11) : 2028
- Cook, R. B. - J 44(5) : 1082

Cooke, K. D. - TF 1511
 Cooley, J. M. - J 44(S2) : 148
 Cormier, A. - IF 178F
 Cornett, R. J. - J 44(1) : 146
 - (4) : 852
 Coté, M. - TS 5319
 Couture, P. - J 44(1) : 167
 Crabbe, F. R. - DF 498
 Crawford, W. R. - DH 50
 Cross, C. L. - DF 528
 - 647
 Cross, M. L. - J 44(3) : 674
 Crowder, A. - J 44(S2) : 148
 Crowder, L. B. - J 44(2) : 467
 - (S2) : 141
 Cruikshank, D. R. - DF 648
 Cuhel, R. L. - J 44(12) : 2077
 - : 2102
 - : 2118
 - : 2144
 - : 2230
 Curtis, L. R. - J 44(4) : 846
 Cury, P. - J 44(2) : 408
 Czwarno, J. - MF 1919
 - DF 638

D

Daan, N. - J 44(S2) : 360
 Daborn, G. R. - J 44(11) : 1890
 Dahlke, L. - MF 1899
 Dalziel, F. - DF 639
 D'Amours, L. - TS 5319
 Davenport, D. - DF 651
 Davies, I. J. - J 44(S1) : 114
 Davies, R. W. - J 44(5) : 1092
 Davis, M. W. - J 44(1) : 192
 Day, K. E. - J 44(10) : 1714
 De Haan, H. - J 44(9) : 1649
 de Lafontaine, Y. - J 44(1) : 54
 - (9) : 1534
 de March, L. - DH 5(10)
 - (13:1)
 - (13:2)
 DeBruyn, E. R. - J 44(S1) : 47
 - : 83
 - : 135
 - DF 629
 DeClercq, D. R. - J 44(S1) : 47
 - : 83
 Delbaere, I. L. - J 44(S1) : 264
 D'Elia, C. F. - J 44(1) : 83
 deNoyelles, F. Jr. - J 44(S1) : 91
 Department of Fisheries and Oceans - AR
 Deriso, R. B. - J 44(S2) : 339
 DeWolfe, D. L. - J 44(11) : 1890
 Dickie, L. M. - J 44(11) : 1915
 - (S2) : 68
 - : 471
 Dixon, D. G. - J 44(1) : 227
 Dodson, J. J. - J 44(2) : 399
 Doe, K. - TF 1307
 Donaldson, E. M. - J 44(11) : 1930
 - DF 609
 Donard, O. F. X. - J 44(1) : 140
 Doonan, I. J. - J 44(2) : 422
 Doyle, R. W. - J 44(9) : 1520
 Drinkwater, K. F. - J 44(9) : 1568
 Driscoll, C. T. - J 44(1) : 214
 Drost, M. R. - J 44(2) : 304
 Duarte, C. M. - J 44(4) : 732
 - (10) : 1759
 Dugas, J. D. - DF 532
 Duthie, H. C. - J 44(2) : 390
 - (3) : 639
 Dwyer, D. A. - J 44(11) : 1972
 Dye, H. M. - J 44(11) : 1930

E

- Eadie, B. J. - J 44(11) : 1898
- Earle, J. C. - J 44(3) : 639
- Ebisu, A. - TS 5244
- Eck, G. W. - J 44(S2) : 53
- : 439
- Eckert, T. H. - J 44(S2) : 390
- Eddy, S. B. - TF 1561
- Edwards, A. - TF 1307
- Eisenreich, S. J. - J 44(6) : 1165
- Eklund, E. - TS 5251
- 5269
- 5284
- El-Shaarawi, A. H. - J 44(7) : 1315
- Eliassen, S. - TS 5264
- Elliott, D. G. - J 44(1) : 206
- Ellis, G. - TF 1511
- Elner, J. K. - TF 1521(1)
- (2)
- Elner, R. W. - J 44(11) : 2002
- Elwood, J. W. - J 44(5) : 1064
- Engelsen, R. - TS 5324
- Engstrom, D. R. - J 44(7) : 1306
- Ennis, G. L. - J 44(3) : 658
- Erickson, R. N. - DF 635
- Erstad, H. - TS 5262
- 5263
- Eskelinen, P. - TS 5274
- Evans, C. R. - TF 1491
- Evans, D. O. - J 44(10) : 1786
- (S2) : 182
- : 249
- : 448
- Everest, F. H. - J 44(9) : 1603
- Ewing, R. D. - J 44(2) : 452

F

- Fabijan, M. F. - TF 1491

- Fahnenstiel, G. L. - J 44(3) : 499
- : 509
- Fargo, J. - MF 1897
- 1912
- 1937
- Farmer, G. J. - DF 645
- 646
- 654
- Farwell, M. K. - DF 601
- Fasmer, E. - TS 5261
- Fedoseev, G. A. - TS 5277
- Fee, E. J. - J 44(S1) : 47
- : 83
- Fellingham, G. W. - J 44(3) : 680
- Feltmate, B. W. - J 44(9) : 1658
- Fielden, R. F. - MF 1943
- 1944
- Findlay, D. L. - J 44(S1) : 35
- : 135
- Findlay, W. J. - J 44(S1) : 264
- Findlayson, D. - TF 1562
- Finley, K. J. - TF 1491
- Finogenova, N. P. - TS 5245
- Firth, J. R. - TF 1355(Rev.)
- Fischer, R. U. Jr. - J 44(9) : 1629
- Fissel, D. B. - DH 5(12)
- (14)
- 37(2)
- Fitzpatrick, M. S. - J 44(7) : 1351
- Fitzsimons, J. D. - TF 1497
- Flannagan, J. F. - DF 625
- Fleming, I. A. - J 44(11) : 1957
- Fleming, J. O. - DF 622
- Ford, J. - J 44(9) : 1584
- Ford, J. K. B. - DF 633
- Forney, J. - J 44(S2) : 166
- Forsey, R. - DF 662
- Fortier, L. - J 44(7) : 1326

- Foster, M. - TF 1533
- Foucher, R. P. - MF 1897
 - 1905
 - 1937
 - DF 355
 - 620
 - 621
 - 652
- Fournier, D. - J 44(6) : 1206
 - MF 1929
- Fournier, D. A. - J 44(2) : 422
 - (4) : 866
- Fournier, S. - DF 568F
- Foy, M. G. - J 44(5) : 967
- Fradette, P. - TS 5319
- France, R. L. - J 44(2) : 478
 - (6) : 1102
 - : 1112
 - (8) : 1510
 - (S1) : 97
 - : 107
- Francis, A. G. - DH 37(3)
- Francis, R. C. - J 44(5) : 1053
 - (7) : 1370
- Frank, K. T. - J 44(10) : 1729
 - TF 1556
- Freeberg, M. H. - J 44(S2) : 313
- Freedman, B. - J 44(3) : 538
- Freeland, H. J. - DH 52
- Freeman, K. R. - J 44(9) : 1589
- Fresh, K. L. - J 44(2) : 236
- Fricker, H-J. - J 44(12) : 2178
 - : 2230
- Frost, H. - TS 5280
 - 5304
 - 5305
- Fry, F. E. J. - J 44(S2) : 10
- Fudge, R. J. P. - DF 610
 - 628
- Fulthorpe, R. R. - J 44(3) : 650
- Furutani, A. - TF 1490
- G
- Gagné, J. A. - J 44(11) : 1922
- Gallop, P. - DF 663
- Galloway, J. N. - J 44(9) : 1595
- Gamble, R. L. - TF 1543
 - 1544
- Gang, M. - MF 1913
 - 1926
- Garling, D. L. Jr. - J 44(11) : 1985
- Garside, E. T. - J 44(5) : 1089
- Gascon, D. - TF 1568
- Gaskill, H. S. - TF 1562
- Gates, T. E. - J 44(5) : 1092
- Geen, G. H. - TF 1480
- Geraci, J. R. - J 44(7) : 1289
 - (9) : 1661
- Getchell, R. G. - J 44(11) : 2033
- Getz, W. M. - J 44(5) : 1053
 - (7) : 1370
- Gharrett, A. J. - J 44(4) : 765
 - : 787
- Gibson, K. N. - J 44(9) : 1584
- Gibson, R. J. - TF 1538
 - 1558
- Giles, M. A. - TF 1533
- Gilgan, M. W. - TF 1399
- Gillman, D. V. - DF 613
- Giovando, L. F. - DH 37(2)
 - 55
- Gjernes, T. - J 44(5) : 1024
- Gjernes, T. W. - TF 1509
- Gloss, S. P. - J 44(1) : 112
 - : 210
- Glover, R. M. - J 44(11) : 1898
- Goddard, C. I. - J 44(S2) : 239
 - : 431
 - : 439
- Gorham, E. - J 44(6) : 1165
- Gorodilov, Yu. N. - TS 5332
- Gosselin, S. - J 44(7) : 1326

Gould, A. P. - J 44(10) : 1702
Gradjanin, S. - TS 5300
Graham, R. W. - J 44(S1) : 135
- : 150
Grainger, E. H. - DF 558
Grant, J. W. A. - J 44(8) : 1390
Grant, W. S. - J 44(3) : 490
Gray, I. M. - J 44(12) : 2155
Gray, J. E. - SP 87F
Gray, R. W. - J 44(4) : 702
Green, P. E. J. - J 44(2) : 316
- : 327
Greenleaf, W. - J 44(4) : 909
Griffiths, W. B. - TF 1491
Grima, A. P. - J 44(S2) : 425
Grimm, R. - TS 5328
Grossman, G. D. - J 44(4) : 803
Guildford, S. J. - J 44(8) : 1408
Gunn, J. M. - J 44(8) : 1418

H

Haard, N. - IF 177
Hackett, J. R. - DH 44
- : 45
Haegele, C. W. - MF 1917
- : 1921
- : 1922
- DF 428
- : 615
Haist, V. - MF 1924
- : 1929
- DF 619
Hall, J. D. - J 44(2) : 452
- (9) : 1603
Hall, R. J. - J 44(9) : 1652
Halliday, R. G. - TF 1550
Hamer, B. L. - DF 498
Hamey, M. J. - MF 1921
Hamilton, D. T. - J 44(5) : 1038
Hansen, J. J. - TS 5314

Hanson, F. B. - J 44(S2) : 298
Hara, T. J. - J 44(2) : 373
Harding, E. A. - MF 1821
Hardy, R. W. - J 44(1) : 219
Hargreaves, N. B. - DF 632
- : 640
Harling, W. R. - DF 355
Harlton, C. - DF 643(1)
Harman, P. R. - J 44(8) : 1462
Harris, G. P. - J 44(12) : 2144
Harrison, C. R. - DF 601
Harrison, P. J. - J 44(10) : 1768
Hart, D. R. - J 44(2) : 390
Hartman, G. F. - J 44(2) : 262
- (3) : 658
Hartman, W. L. - J 44(S2) : 417
- : 486
Harvey, H. H. - J 44(5) : 1018
Hatch, R. W. - J 44(S2) : 15
- : 411
Hauksson, E. - TS 5255
- : 5257
- : 5258
Hay, D. E. - J 44(6) : 1181
- (8) : 1496
- MF 1917
- DF 615
Hay, K. - J 44(2) : 282
Hay, R. - TH 87
Hayakawa, Y. - TS 5291
- : 5292
- : 5293
Hayes, J. W. - J 44(1) : 40
Healey, F. P. - J 44(8) : 1408
Healey, M. C. - B 215
- TF 1494
- DF 636
Hecky, R. E. - J 44(8) : 1408
- TF 1490
- DF 610
- : 628
Heisey, D. M. - J 44(S2) : 324

- 2301

- Jackson, M. B. - J 44(S1) : 135
- Jacobson, L. D. - J 44(S2) : 275
- : 439
- Jakobsen, P. J. - J 44(5) : 1079
- James, M. - MF 1914
- DF 627
- James, M. D. - TF 1503
- MF 1894
- 1911
- Jamieson, G. S. - IF 179
- Jefferts, K. - J 44(6) : 1261
- Jerome, V. - TF 1519
- Jessop, E. F. - DF 660
- Johannes, A. H. - J 44(9) : 1595
- Johnsen, G. H. - J 44(5) : 1079
- Johnsen, J. S. - TS 5260
- Johnson, B. L. - J 44(S2) : 289
- Johnson, G. - J 44(3) : 674
- Johnson, M. G. - J 44(1) : 3
(S2) : 148
- Johnson, M. K. - MF 1944
- Johnston, C. E. - J 44(4) : 702
- Jones, K. A. - J 44(2) : 373
- Jones, M. L. - SP 87F
- Jones, S. R. - J 44(3) : 549
- Jordan, F. P. - DF 653
- Jørgensen, H. P. - TS 5281
- 5303
- 5304
- Jørstad, K. E. - J 44(10) : 1775
- Joza, J. - IF 176
- K
- Kaattari, S. L. - J 44(1) : 161
- Kalff, J. - J 44(1) : 176
- (5) : 990
- (10) : 1759
- Kamaitis, G. - J 44(12) : 2212
- Kan, K. T. - TF 1501
- Kasian, S. E. M. - J 44(S1) : 35
- Kask, B. A. - MF 1915
- 1935
- DF 612
- 616
- 617
- 618
- 630
- Kaster, J. L. - J 44(9) : 1574
- Kathman, R. D. - TH 89
- Kaushik, N. K. - J 44(10) : 1714
- Kawamura, K. - TS 5294
- 5296
- 5297
- 5322
- Kawamura, Y. - TS 5333
- Kean, J. C. - J 44(8) : 1443
- Kearney, R. E. - J 44(6) : 1122
- Keir, M. J. - TF 1497
- Keller, A. - J 44(5) : 1045
- Keller, W. - J 44(2) : 390
- (10) : 1692
- Kelly, R. K. - J 44(8) : 1425
- Kelso, J. R. M. - SP 87F
- MF 1772
- Kemp, C. J. - J 44(4) : 846
- Kempe, E. J. - J 44(1) : 227
- Kerr, S. R. - J 44(S2) : 68
- Kettle, W. D. - J 44(S1) : 91
- Kevern, N. R. - J 44(11) : 1985
- Khaldinova, N. A. - TS 5315
- Kieser, R. - J 44(3) : 562
- (5) : 1024
- MF 1917
- Kitchell, J. F. - J 44(S2) : 384
- Kjerstad, T. - TS 5261
- Klaverkamp, J. F. - J 44(8) : 1425
- Kleiber, P. - J 44(6) : 1122
- Klump, J. V. - J 44(9) : 1574

- Knowles, R. - J 44(4) : 743
 - (12) : 2133
- Kobayashi, T. - J 44(3) : 490
- Kohlenberger, H. - TS 5256
- Kondo, S. - TS 5306
- Koonce, J. F. - J 44(S2) : 61
- Kope, R. G. - J44(6) : 1213
- Korhonen, K. - TS 5283
- Koslow, J. A. - J 44(1) : 26
 - (11) : 2012
- Kostecki, P. T. - J 44(1) : 210
- Kotyk, M. S. - DF 616
 - 617
 - 618
 - 630
 - 650
- Kramar, O. - J 44(6) : 1257
- Kramer, D. L. - J 44(7) : 1358
 - (8) : 1507
- Kratz, T. K. - J 44(5) : 1082
- Krause, E. - J 44(5) : 1002
- Krezoski, J. R. - J 44(9) : 1574
- Kristmannsson, S. - TS 5259
- Kristofferson, A. H. - IF 174
- Kronlund, A. R. - J 44(6) : 1181
- Kruse, G. H. - J 44(11) : 1870
- Kruzynski, G. M. - J 44(6) : 1233
 - (7) : 1343
 - MF 1913
- Kulakkattolickal, A. T. - J 44(7) : 1358
- Kulka, D. W. - TF 1355(Rev.)
- L
- Lacho, G. - DF 614
- Lacroix, G. L. - J 44(8) : 1475
 - TF 1501
- Lake, G. J. - J 44(11) : 2028
- Lake, R. A. - DH 5(14)
 - 39(2)
 - (3)
 - 51(1)
 - (2)
 - (3)
- Lakshminarayana, J. S. S. - TF 1575
- Lamson, C. - TF 1549
- Lane, E. D. - DF 639
- Langlois, C. - TF 1316F
- Larkin, P. A. - J 44(4) : 712
- Lauren, D. J. - J 44(1) : 99
 - : 105
- Laurent, P. - J 44(9) : 1614
- Lauzier, R. B. - DF 599
- Lavin, P. A. - J 44(11) : 1820
- Lawing, W. D. - J 44(S2) : 324
- Lawrence, M. J. - DF 661
- Lawrence, S. G. - J 44(S1) : 154
 - : 163
 - : 264
- Lawton, P. - J 44(6) : 1195
- LaZerte, B. D. - J 44(6) : 1112
 - (9) : 1622
- Lazier, J. R. N. - DH 44
 - 45
- Le Cren, E. D. - J 44(S2) : 216
- Leach, J. H. - J 44(S2) : 166
 - : 471
- Leaman, B. M. - TF 1510
- Leaman, J. E. - TF 1508
- Lean, D. R. S. - J 44(3) : 598
 - (4) : 743
 - (12) : 2042
 - : 2069
 - : 2077
 - : 2102
 - : 2118
 - : 2133
 - : 2178
 - : 2216
 - : 2230

- Lear, W. H. - TF 1562
- DF 662
- LeBrasseur, R. J. - DF 632
- 640
- Lee, K. - TF 1442
- Lee, K. S. - DH 50
- Leek, S. L. - J 44(3) : 685
- Legault, J. A. - J 44(8) : 1451
- Léger, C. E. - J 44(7) : 1320
- Leggett, W. C. - J 44(1) : 54
- (2) : 438
- (7) : 1326
- (9) : 1534
- (11) : 1936
- Leino, R. L. - J 44(S1) : 126
- Lemon, D. D. - DH 5(12)
- (14)
- Leppard, G. G. - J 44(12) : 2173
- Levings, C. D. - MF 1904
- DF 616
- 617
- 618
- 622
- 630
- Levy, E. M. - TF 1442
- Lewis, C. A. - J 44(S2) : 411
- Li, W. K. - B 214
- Liebig, J. R. - J 44(11) : 1898
- Lightly, D. - J 44(5) : 1031
- Lindqvist, O. V. - TS 5273
- Linsey, G. A. - J 44(S1) : 206
- Livingston, P. A. - J 44(11) : 1972
- Loder, J. W. - TF 1568
- Lodge, D. M. - J 44(3) : 591
- Loftus, D. H. - J 44(S2) : 239
- : 249
- : 417
- Loftus, K. H. - J 44(S2) : 7
- : 486
- Longard, D. A. - J 44(1) : 120
- Lorentzen, G. - TS 5254
- Lorman, J. G. - J 44(3) : 591
- Loucks, R. H. - TF 1430
- Lough, R. G. - J 44(1) : 14
- Løvland, J. - TS 5261
- Low, G. - DF 641
- 642
- Lucas, J. B. - MF 1937
- DF 498
- Luedke, W. - J 44(10) : 1796
- Lyons, J. - J 44(4) : 758
- Lysack, W. - J 44(S2) : 471
- M
- MacCallum, W. R. - J 44(S2) : 23
- : 275
- : 431
- : 439
- MacCrimmon, H. R. - TF 1531
- Macdonald, A. L. - DF 623
- MacDonald, B. A. - J 44(1) : 152
- MacDonald, D. D. - MF 1944
- MacDonald, G. - DF 660
- Macdonald, J. S. - J 44(6) : 1233
- DF 612
- 616
- 617
- 618
- 630
- Macdonald, P. D. M. - J 44(2) : 316
- Macdonald, R. W. - DH 37(3)
- Machado, J. P. - J 44(11) : 1985
- MacIsaac, H. J. - J 44(10) : 1692
- MacIver, M. A. - J 44(S1) : 264
- Mackie, G. L. - J 44(2) : 382
- MacKinlay, D. D. - MF 1943
- 1944
- DF 643(1)
- MacLean, J. A. - J 44(S2) : 239
- MacPhail, D. K. - DF 645
- 646
- 654

- Magnuson, J. J. - J 44(4) : 811
 - (11) : 2022
- Mahood, H. - MF 1913
- Makaran, R. - J 44(3) : 630
- Mäkinen, T. - TS 5268
 - 5272
- Mallet, A. L. - J 44(9) : 1589
- Malley, D. F. - J 44(S1) : 264
- Mamaev, Yu. L. - TS 5331
- Manning, P. G. - J 44(12) : 2204
- Marcos, B. - J 44(7) : 1278
- Margolis, L. - J 44(5) : 982
 - (11) : 1963
 - DF 639
- Markert, J. R. - DF 647
- Marnell, L. F. - J 44(11) : 1830
- Marshall, T. R. - J 44(S2) : 198
 - : 448
- Martell, D. J. - TF 1513
- Martin, J. D. - MF 1938
- Martin, J. F. - J 44(4) : 909
- Martin-Robichaud, D. J. - J 44(9) : 1635
 - TF 1485
 - 1493
- Masumoto, K. - TS 5327
- Masumoto, T. - J 44(1) : 219
- Matthiasson, A. - TS 5325
- Matuszek, J. E. - J 44(S2) : 229
- Maule, A. G. - J 44(1) : 161
- May, S. - TF 1562
- Mayfield, C. I. - J 44(6) : 1173
- McAllister, C. D. - MF 1915
 - 1935
 - DF 616
 - 617
 - 618
 - 630
 - 650
- McAndrews, J. H. - J 44(2) : 390
- McCarter, P. B. - DF 615
- McCauley, E. - J 44(1) : 176
- McClelland, G. - TF 1513
- McCormick, S. D. - J 44(8) : 1462
- McCoy, C. P. - J 44(4) : 909
- McCracken, F. D. - TF 1550
- McDonald, D. G. - J 44(1) : 99
 - : 105
- McDonald, M. E. - J 44(S2) : 141
- McDonald, T. E. - DF 639
- McDougall, R. D. - MF 1870
- McDowell, W. H. - J 44(1) : 214
- McFarlane, G. A. - J 44(4) : 905
 - DF 651
- McGladdery, S. E. - J 44(7) : 1379
- McGlade, J. M. - TF 1457
- McGowan, D. K. - DF 666
 - IF 174
- McIntire, C. D. - J 44(9) : 1640
- McKee, P. M. - J 44(2) : 390
- McKeown, B. A. - J 44(8) : 1496
- McKinnell, S. - J 44(4) : 866
- McLeay, D. J. - J 44(3) : 658
- McLellan, A. - J 44(4) : 702
- McNicol, R. E. - TF 1512
- McPhail, J. D. - J 44(11) : 1820
- McPherson, C. - DF 622
- McPherson, C. A. - DF 599
- McQueen, D. J. - J 44(3) : 598
- Meade, I. D. - J 44(7) : 1361
 - TF 1546
- Medland, T. E. - J 44(4) : 901
- Meland, O. - TS 5299
- Melhus, T. B. - TS 5307
 - 5312
 - 5313

- Melling, H. - DH 5(12)
- (14)
- 39(2)
- (3)
- 51(1)
- (2)
- (3)
- Ménard, J. - J 44(2) : 368
- Mendelssohn, R. - J 44(2) : 408
- Mercer, G. - MF 1918
- Merritt, J. H. - IF 176
- Messieh, S. N. - TF 1504
- Millar, R. B. - J 44(3) : 583
- Millard, E. S. - J 44(S2) : 148
- Miller, C. - J 44(S1) : 194
- Miller, D. C. - MF 1917
- DF 615
- Miller, G. - TF 1518
- Miller, R. E. - DF 643(1)
- Miller, R. J. - TF 1546
- Milliman, S. R. - J 44(S2) : 289
- : 425
- Mills, E. L. - J 44(3) : 549
- Mills, K. H. - J 44(S1) : 3
- : 55
- : 64
- : 114
- Minns, C. K. - J 44(S2) : 148
- SP 87F
- TF 1496
- MF 1874
- 1898
- Misra, R. K. - J 44(4) : 859
- TF 1439
- 1513
- Mitchell, E. - SP 95
- Moed, J. R. - J 44(9) : 1649
- Moffett, M. F. - J 44(S1) : 91
- Mohammed, A. A. - DF 558
- Mohn, R. K. - J 44(11) : 2002
- Mohr, L. C. - J 44(S1) : 114
- Möller, H. - J 44(11) : 1848
- Moore, D. - TH 84
- Moore, D. S. - TF 1516
- Moore, M. V. - J 44(9) : 1529
- Morantz, D. L. - J 44(1) : 120
- Morita, R. Y. - J 44(6) : 1135
- Morley, R. B. - MF 1901
- Morris, J. F. T. - DF 636
- Morrison, C. M. - SP 98
- Morrison, K. A. - J 44(7) : 1278
- Mulcahy, D. - J 44(1) : 183
- (5) : 1071
- : 1075
- Mulholland, P. J. - J 44(5) : 1064
- Mulligan, T. J. - J 44(3) : 562
- (4) : 866
- (5) : 1024
- (6) : 1206
- (8) : 1502
- MF 1917
- Munro, J. - J 44(11) : 1922
- Munsch, M. H. - IF 178F
- Murase, M. - TS 5326
- Murray, C. B. - J 44(2) : 244
- (10) : 1702
- Muth, K. M. - J 44(S2) : 15
- Myers, R. A. - J 44(2) : 282
- (9) : 1568
- Myrand, B. - J 44(2) : 368
- N
- Nagtegaal, D. A. - TF 1510
- Naito, B. G. - MF 1947
- Nalepa, T. F. - J 44(3) : 515
- Nash, R. D. M. - J 44(11) : 2022
- Nassichuk, M. D. - MF 1926
- Nathan, J. S. - DF 622
- Nazvich, L. G. - TS 5315
- Needler, A. W. H. - TF 1550
- Neill, W. E. - J 44(5) : 1002

Neilson, M. A. - J 44(12) : 2059
- : 2192

Nelson, M. O. - J 44(3) : 562

Nepstad, T. - TS 5310

Nepszy, S. J. - J 44(S2) : 15
- : 431
- : 439

Neuhof, V. - DF 558

Newbury, R. W. - J 44(S1) : 194

Newkirk, G. F. - J 44(3) : 674

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Newsome, G. E. - J 44(6) : 1221

Ng, S. - J 44(11) : 1957

Nicholas, R. R. - J 44(9) : 1520

Nicholls, K. H. - J 44(S2) : 148

Nicholls, T. - J 44(2) : 337

Nicholson, H. F. - TF 1495

Nielsen, O. - J 44(8) : 1425

Nikolaev, I. I. - TS 5317

Nishikawa, N. - TS 5244

Nishiyama, S. - TS 5291
- 5292
- 5293

Noakes, D. L. G. - J 44(8) : 1390
- : 1418

Noltie, D. B. - J 44(9) : 1562

Northcote, T. G. - J 44(5) : 1002

Norton, P. - DH 5(10)
- (13:1)
- (13:2)

Nyffeler, U. P. - J 44(S1) : 251

O

Oates, D. W. - J 44(3) : 556

Ogawa, H. - TS 5290
- 5320

Oglesby, R. T. - J 44(S2) : 166
- : 448

O'Gorman, R. - J 44(S2) : 390
- : 439

O'Grady, K. - J 44(4) : 736

O'Hearn, P. - DF 643(1)

Ojanen, T. - TS 5275
- 5276

Okada, H. - TS 5329

Okland, O. - TS 5298

O'Leary, T. - TF 1530

Oliver, N. P. - J 44(2) : 337

Olla, B. L. - J 44(1) : 192

Olsen, J. A. - TS 5261

Olsen, S. O. - TS 5247
- 5248
- 5249

Olver, C. H. - J 44(S2) : 239
- : 417

O'Neil, S. F. - DF 663

Orr, J. R. - MF 1899
- DF 624

Osland, O. - TS 5246
- 5246(Rev.)

Ostreim, A. - TS 5301

Ostrofsky, M. L. - J 44(4) : 775
- (5) : 960

Otterdyks, A. C. C. - MF 1925

Outram, D. N. - J 44(8) : 1496

Owen, G. E. - J 44(S2) : 148

P

Painter, D. S. - J 44(12) : 2212

Palmer, N. C. - J 44(7) : 1289

Paloheimo, J. E. - J 44(3) : 650

Pålsson, J. - TF 1499

Palumbo, A. V. - J 44(5) : 1064

Papadakis, J. E. - CH 28

Parjala, E. - TS 5252

Parkinson, E. A. - J 44(2) : 271

Parrish, C. C. - J 44(4) : 722

Partanen, P. - TS 5267

- Pascho, R. J. - J 44(1) : 183
- (5) : 1075
- Paterson, A. - J 44(4) : 702
- Patten, B. A. - DF 632
- Patterson, J. H. - TF 1483
- Payne, N. R. - J 44(S2) : 371
- Payson, P. D. - J 44(3) : 630
- Pearcy, W. G. - J 44(6) : 1261
- Pearre, S. Jr. - J 44(11) : 2012
- Penney, G. H. - MF 1906
- Pepin, P. - J 44(1) : 222
- (11) : 2012
- Pepper, V. A. - J 44(2) : 337
- Perrin, C. J. - J 44(6) : 1247
- Perry, E. A. - DF 528
- Perry, I. - TF 1568
- Perry, R. I. - TF 1556
- Peterman, R. M. - J 44(1) : 48
- (11) : 1870
- : 1879
- Peters, N. E. - J 44(9) : 1595
- Peterson, R. H. - J 44(9) : 1635
- TF 1485
- 1493
- 1523
- 1561
- Peyton, R. B. - J 44(S2) : 306
- Pick, F. R. - J 44(12) : 2069
- : 2087
- : 2095
- : 2164
- : 2173
- : 2230
- Pickard, R. - DF 663
- Piercey, G. E. - MF 1913
- Pikitch, E. K. - J 44(S2) : 349
- Pimm, S. L. - J 44(S2) : 84
- Pinhorn, P. - TF 1529
- Pinkewycz, N. - DF 558
- 575
- Platt, T. - J 44(1) : 198
- B 214
- Playle, R. C. - J 44(S1) : 260
- Plotnikoff, M. D. - DF 647
- Pontasch, K. W. - J 44(9) : 1669
- Porter, T. R. - TF 1538
- Post, J. R. - J 44(11) : 1840
- Pottle, R. A. - TF 1504
- Powell, R. - J 44(4) : 822
- Prankevicius, A. B. - J 44(11) : 1840
- Prepas, E. E. - J 44(7) : 1337
- Pringle, C. M. - J 44(3) : 619
- Putt, M. - J 44(12) : 2144
- Q
- Quinn, T. P. - J 44(11) : 1963
- TF 1511
- R
- Ramlal, P. S. - TF 1490
- Ramsey, D. J. - DF 628
- Rankin, D. P. - TF 1509
- Rankin, L. - TH 87
- Rasmussen, J. B. - J 44(5) : 990
- Ratti, F. D. - J 44(7) : 1351
- Ray, S. - TF 1519
- MF 1942
- Raymond, B. A. - MF 1913
- Read, C. J. - DF 641
- 642
- Reade, J. G. - TF 1549
- Rebizant, T. - DF 624
- Reckhow, K. H. - J 44(8) : 1432
- Redding, J. M. - J 44(7) : 1351
- Ree, V. - TS 5316
- Reeves, G. H. - J 44(9) : 1603
- Reeves, R. R. - SP 95

- Regier, H. A. - J 44(S2) : 95
- : 229
- Rein, M. V. - TS 5315
- Reinhart, J. M. - J 44(1) : 2
- Rempel, R. S. - J 44(10) : 1737
- : 1743
- Renooy, B. - MF 1899
- Reuter, J. E. - J 44(1) : 130
- Rhee, G-Y. - J 44(10) : 1753
- Rice, J. A. - J 44(2) : 467
- (S2) : 141
- Rice, J. C. - TF 1562
- Richards, L. J. - J 44(4) : 793
- MF 1903
- 1934
- Richardsen, R. - TS 5246
- 5246(Rev.)
- Richter, A. F. - J 44(9) : 1649
- Ricker, W. E. - TF 1522
- Riddell, B. E. - J 44(11) : 1963
- TF 1535
- Rigler, F. H. - J 44(1) : 146
- (4) : 775
- : 852
- Rivard, D. - J 44(5) : 967
- Rivier, J. E. - J 44(11) : 1930
- Roberge, M. M. - DF 613
- Robertson, E. O. - TF 1500
- Robertson, I. - TF 1500
- Robinson, G. W. - J 44(S2) : 148
- Rodgers, J. D. - J 44(2) : 452
- Rodgers, G. K. - J 44(12) : 2225
- Roesijadi, G. - J 44(3) : 680
- Rogers, I. H. - MF 1913
- Rosenfeld, L. - MF 1924
- DF 619
- Ross, M. W. - J 44(S2) : 486
- Roth, E. - TS 5278
- 5279
- Rudd, J. W. M. - J 44(4) : 750
- TF 1490
- Rudstam, L. G. - J 44(4) : 811
- Runge, J. A. - J 44(11) : 2009
- Russell, J. E. - J 44(2) : 476
- Rutherford, D. T. - TF 1535
- Rutherford, K. L. - TF 1535
- Ryall, P. - MF 1904
- Ryan, P. A. - J 44(S2) : 104
- : 198
- S
- Saito, A. - TS 5322
- Salonen, S. - TS 5275
- 5276
- Sandeman, E. J. - TF 1568
- Sander, F. - MF 1948
- Sanders, J. G. - J 44(1) : 83
- Sangolt, A. - TS 5318
- Santschi, P. H. - J 44(S1) : 251
- Sasaki, K. - TS 5333
- Sato, A. - TS 5294
- 5295
- 5296
- 5297
- 5320
- Sato, O. - TS 5290
- Saunders, M. W. - MF 1930
- DF 355
- Saunders, R. L. - J 44(7) : 1320
- (8) : 1462
- Scavia, D. - J 44(3) : 499
- : 509
- Schaap, P. R. H. - MF 1920
- Scherer, E. - TF 1512
- MF 1919
- DF 638
- Schertzer, W. M. - J 44(12) : 2047
- Schiff, S. L. - J 44(S1) : 173
- : 183
- : 231
- : 251

- Schindler, D. W. - J 44(S1) : 3
- : 6
- : 26
- : 206
- Schnute, J. - J 44(5) : 924
- Schofield, C. L. - J 44(9) : 1595
- Schreck, C. B. - J 44(1) : 161
- (7) : 1351
- Schröder, C. J. - TH 71
- Schroder, S. L. - J 44(2) : 236
- Schrotenboer, J. - J 44(9) : 1649
- Schubert, N. D. - MF 1908
- 1928
- DF 601
- Schuknecht, B. A. - J 44(11) : 2018
- Schupp, D. H. - J 44(S2) : 104
- : 324
- : 411
- : 417
- Schweigert, J. F. - MF 1922
- 1929
- Schwinghamer, P. - J 44(S2) : 68
- Scott, J. S. - TF 1532
- Scott, K. A. - J 44(S2) : 37
- Scruton, D. A. - J 44(3) : 639
- TF 1521(1)
- (2)
- Seeb, J. E. - J 44(3) : 556
- Seeb, L. W. - J 44(3) : 556
- Sekerak, A. D. - TF 1491
- Sekita, H. - TS 5333
- Selgeby, J. H. - J 44(S2) : 23
- : 439
- Semernoi, V. P. - TS 5287
- Semple, J. R. - MF 1918
- 1933
- Serns, S. L. - J 44(S2) : 104
- Shardlow, T. - J 44(5) : 1031
- Sharp, G. J. - MF 1907
- Shaw, W. - DF 651
- Shcherbachev, Y. N. - TS 5250
- Shearer, J. A. - J 44(S1) : 47
- : 83
- DF 629
- Shepherd, B. G. - TF 1482(1)
- (2)
- MF 1946
- Shepherd, J. G. - J 44(4) : 913
- Shiga, I. - TS 5326
- Shin, C. N. - J 44(10) : 1753
- Shirley, S. M. - J 44(4) : 765
- Shirvell, C. S. - J 44(1) : 120
- Short, F. T. - J 44(1) : 140
- Shrimpton, J. M. - MF 1886
- Shuter, B. J. - J 44(S2) : 61
- : 229
- : 239
- : 471
- Silvert, W. - J 44(1) : 26
- Simons, T. J. - J 44(12) : 2047
- Sinclair, M. - TF 1568
- Sissenwine, M. P. - J 44(4) : 913
- Skaala, Ø. - J 44(10) : 1775
- Slaney, P. A. - J 44(6) : 1247
- Sloan, N. A. - MF 1936
- Sly, P. G. - J 44(S2) : 37
- Smale, M. A. - J 44(S2) : 313
- Smiley, B. D. - DH 5(9)
- (10)
- (11)
- (13:1)
- (13:2)
- Smith, M. E. - J 44(9) : 1574
- Smith, S. L. - J 44(6) : 1143
- Smith, T. G. - B 216
- Smol, J. P. - J 44(9) : 1584
- Snimshchikova, L. N. - TS 5286
- 5288
- Snodgrass, W. J. - J 44(2) : 390

- Snowberger, E. A. - J 44(7) : 1270
 Soeldner, A. H. - J 44(6) : 1135
 Solar, I. I. - DF 609
 Solomon, K. R. - J 44(10) : 1714
 Sonstegard, R. A. - J 44(3) : 636
 Sonzogni, W. C. - J 44(11) : 2018
 Soyama, H. - TS 5290
 Spangler, G. R. - J 44(S2) : 7
 - : 275
 - : 486
 Spohn, S. - MF 1913
 Spotila, J. R. - J 44(9) : 1629
 Sprules, W. G. - J 44(2) : 458
 St. Aubin, D. J. - J 44(7) : 1289
 Ståhl, G. - J 44(3) : 490
 Stainton, M. P. - J 44(S1) : 206
 Stallard, H. E. - TF 1491
 Standora, E. A. - J 44(9) : 1629
 Stanford, J. A. - J 44(1) : 77
 Stanley, R. D. - MF 1925
 Stanton, T. K. - J 44(11) : 2022
 Starodub, M. E. - J 44(6) : 1173
 Steedman, R. J. - J 44(S2) : 95
 Steer, G. J. - TF 1557
 Stefansson, G. - TS 5325
 Stegeman, J. J. - J 44(7) : 1270
 Steinman, A. D. - J 44(9) : 1640
 Stevens, C. R. - TF 1520
 Stevens, R. J. J. - J 44(12) : 2059
 - : 2192
 Stites, D. L. - J 44(8) : 1469
 Stocker, M. - MF 1951
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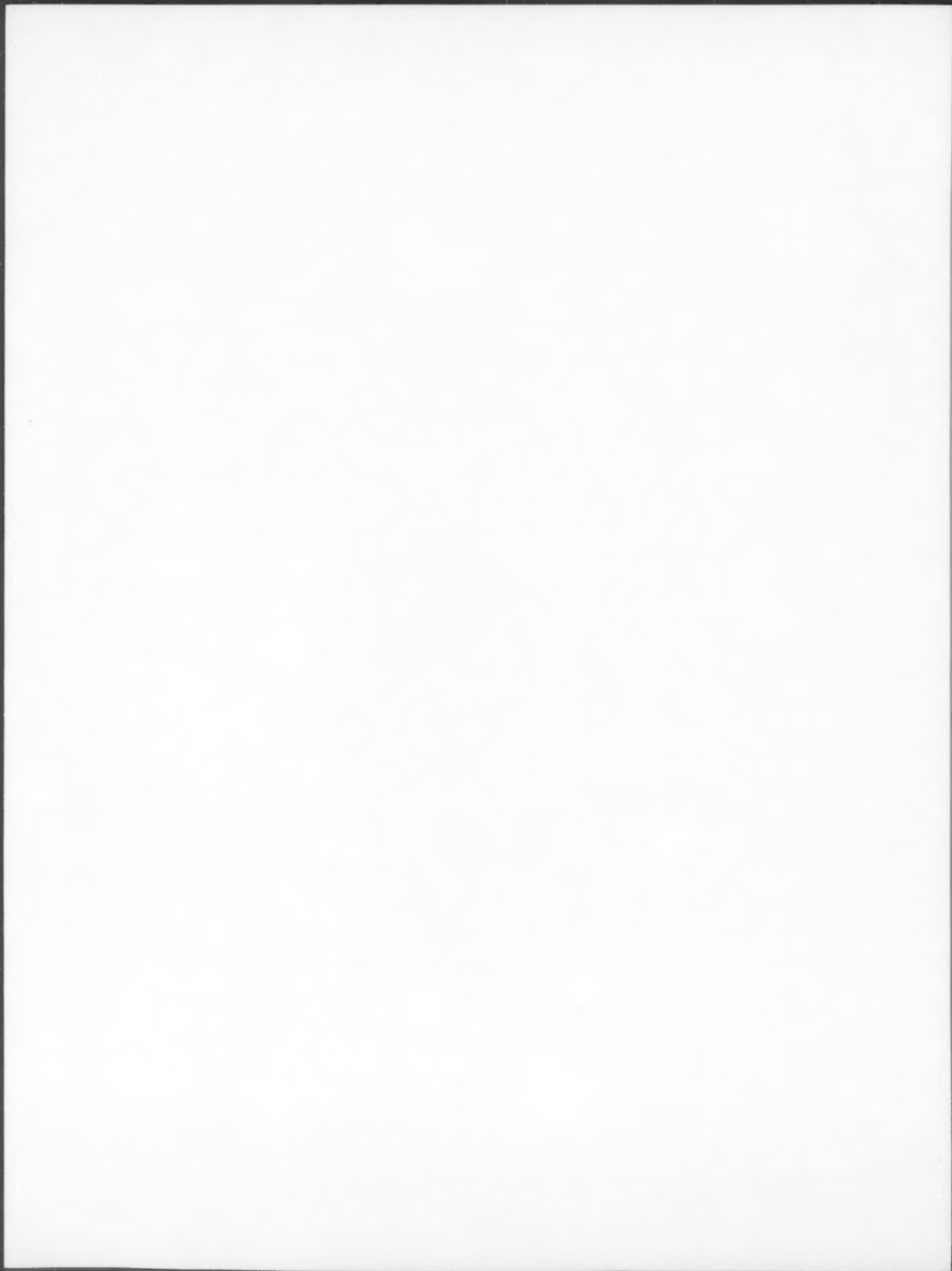
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Abbreviation/Abréviation: IF

These reports contain the results of research and development that are useful to industry. The reports are directed primarily toward individuals in the primary and secondary sectors of the fishing and marine industries. No restriction is placed on subject matter and the series reflects the broad interests and policies of the Department of Fisheries and Oceans, namely, fisheries management, technology and development, and aquatic environments relevant to Canada.

The reports are abstracted in *Aquatic sciences and fisheries abstracts* and are indexed annually in the Department's index to scientific and technical publications.

The number in parentheses at the end of each reference indicates the name of the establishment from which the report originated (see 2248 and 2249 for addresses). Copies of reports can be obtained from Micromedia Limited, 165 Hôtel de Ville, Hull (Québec) J8X 3X2.

Ces rapports contiennent les résultats des recherches et des progrès qui sont utiles à l'industrie. Ils sont préparés principalement à l'intention des membres des secteurs primaire et secondaires des industries des pêches et de la mer. Il n'y a aucune restriction quant aux sujets abordés et la série reflète la vaste gamme des intérêts et des politiques du ministère des Pêches et des Océans, notamment dans les domaines de la gestion des pêches, de la technologie, du développement et des milieux aquatiques s'appliquant au Canada.

Les rapports sont résumés dans *Aquatic sciences and fisheries abstracts* et figurent dans l'index annuel des publications scientifiques et techniques du Ministère.

Le chiffre entre parenthèses après le titre de chaque rapport représente l'établissement qui a fourni le rapport (les adresses se trouvent aux pages 2248 et 2249). On peut obtenir des copies des rapports en communiquant avec Micromedia limitée, 165, rue Hôtel de Ville, Hull (Québec), J8X 3X2.

174. Kristofferson, A. H., D. K. McGowan, and W. J. Ward. 1986. Fish weirs for the commercial harvest of sea-run Arctic charr in the Northwest Territories. 31 p. (3)

176. Tidmarsh, W. G., J. H. Merritt, G. Bernier, J. Joza, and S. Bastien-Daigle. 1986. Fish waste disposal practices and options for eastern New Brunswick. 65 p./Élimination des déchets de poisson dans l'est du Nouveau-Brunswick. Méthodes actuelles et proposées. 70 p. (16)
- 177(1) Chandra, C. V. 1986. A study of the use of cod, cod by-products and crustacean by-products for surimi and surimi-based products. Part 1 - Raw material assessment. 46 p. (8)
- 177(2) Haard, N. 1986. A study of the use of cod, cod by-products and crustacean by-products for surimi and surimi-based products. Part II - Physiology studies. 34 p. (8)
- 177(3) Voight, M. N. 1986. A study of the use of cod, cod by-products and crustacean by-products for surimi and surimi-based products. Part III - shellfish flavour extraction studies. 42 p. (8)
- 178F. Cormier, A., S. Chiasson, J. Arul et M. H. Munsch. 1987. Développement, évaluation sensorielle et stabilité microbiologique d'une "bouchée" et d'une garniture de poisson à teneur moyenne en eau. 21 p. (16)
179. Jamieson, G. S., and G. D. Heritage. 1987. Experimental flying squid fishing off British Columbia, 1985 and 1986. 103 p. (1)
182. The NewLantic Group. 1987. The impact of sorting fish prior to processing - a pilot project. 57 p. (8)

CANADIAN TECHNICAL REPORT OF HYDROGRAPHY AND OCEAN SCIENCES/
RAPPORT TECHNIQUE CANADIEN SUR L'HYDROGRAPHIE ET LES SCIENCES OCEANIQUES

Abbreviation/Abréviation: TH

These reports contain scientific and technical information that is of sufficient importance to be preserved but that is not appropriate for primary scientific publication. No restriction is placed on subject matter and the series reflects hydrography and chemical and physical oceanography programs of the Department of Fisheries and Oceans.

The reports are abstracted in *Aquatic sciences and fisheries abstracts* and are indexed annually in the Department's index to scientific and technical publications.

The number in parentheses at the end of each reference indicates the name of the establishment from which the report originated (see 2248 and 2249 for addresses). Copies of reports can be obtained from Micromedia Limited, 165 Hôtel de Ville, Hull (Québec) J8X 3X2.

Ces rapports contiennent des données scientifiques et techniques suffisamment importantes pour être consignées mais qui ne se prêtent pas à la publication dans un journal scientifique. Il n'y a aucune restriction quant aux sujets abordés et la série reflète les programmes d'hydrographie ainsi que d'océanographie chimique et physique du ministère des Pêches et des Océans.

Les rapports sont résumés dans *Aquatic sciences and fisheries abstracts* et figurent dans l'index annuel des publications scientifiques et techniques du Ministère.

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51. Bezanson, D., and P. E. Vandall Jr. 1984. An investigation of surface drift on the Labrador coast. 14 p. (6)
68. Cochrane, N. A. 1985. An operational evaluation of an Ametek Straza DCP-4400 300 kHz Doppler current profiler aboard C.S.S. Dawson. 52 p. (6)
70. Boyce, R. 1986. Drift in the calibrations of conductivity cells from Aanderaa current meters. 18 p. (6)
71. Schröder, C. J. 1986. Deep-water arenaceous foraminifera in the northwest Atlantic Ocean. 191 p. (6)
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- Mud bays near the British Columbia/U.S. border. 34 p. (13)
85. Brinkhurst, R. O. (ed.). 1987. Distribution and abundance of macroscopic benthic infauna from the continental shelf off southwestern Vancouver Island, British Columbia, Canada. 86 p. (13)
87. Vermeer, K., R. Hay, and L. Rankin. 1987. Pelagic seabird populations off southwestern Vancouver Island. 26 p. (13)
88. Burd, B. J., and R. O. Brinkhurst. 1987. Macrobenthic infauna from Hecate Strait, British Columbia. 123 p. (13)
89. Brinkhurst, R. O., B. J. Burd, and R. D. Kathman. 1987. Benthic studies in Alice Arm, B.C. during and following cessation of mine tailings disposal, 1982 to 1986. 45 p. (13)
93. Vermeer, K. 1987. Growth and nestling periods of Cassin's Auklets: adaptations of planktivorous auklets to breeding at northern latitudes. 26 p. (13)

CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES/
RAPPORT STATISTIQUE CANADIEN SUR L'HYDROGRAPHIE ET LES SCIENCES OCEANIQUES

Abbreviation/Abréviation: DH

This series provides a medium for documentation, archiving, and dissemination of data compilations where little or no analysis is included. Such compilations will commonly have been prepared in support of other publications or of work related to hydrography and to chemical and physical oceanography programs of the Department of Fisheries and Oceans.

Data reports are not intended for general distribution and the contents must not be referred to in other publications without prior written authorization from the author. The reports are abstracted in *Aquatic sciences and fisheries abstracts* and are indexed annually in the Department's index to scientific and technical publications.

The number in parentheses at the end of each reference indicates the name of the establishment from which the report originated (see pages 2248 and 2249 for addresses). Copies of reports can be obtained from Micromedia Limited, 165 Hôtel de Ville, Hull (Québec) J8X 3X2.

Cette série permet de recueillir, de classer et de diffuser des ensembles de données pour lesquelles il y a peu ou pas d'analyse. Ces données auront généralement été compilées pour appuyer d'autres publications ou travaux liés aux programmes d'hydrographie ainsi que d'océanographie physique et chimique du ministère des Pêches et des Océans.

Les rapports statistiques ne sont pas préparés en vue d'une vaste distribution et leur contenu ne doit pas être mentionné dans d'autres publications sans l'autorisation écrite préalable de l'auteur. Les rapports sont résumés dans *Aquatic sciences and fisheries abstracts* et figurent dans l'index annuel des publications scientifiques et techniques du Ministère.

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- 5(9) Woods, S. M., and B. D. Smiley. 1987. Arctic data compilation and appraisal. Volume 9. Beaufort Sea: biological oceanography - bacteria, plankton, epontic community. 394 p. (13)
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- 5(11) Wainwright, P. F., B. D. Smiley, and A. Blyth. 1987. Arctic data compilation and appraisal. Volume 11. Beaufort Sea: biological oceanography-marine zoobenthos 1914-1986. 367 p. (13)
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- 5(13:2) Norton, P., L. de March, and B. D. Smiley. 1987. Arctic data compilation and appraisal. Volume 13. Northwest Passage: biological oceanography - whales, 1820-1984. Part 2. 487 p. (13)
- 5(14) Birch, J. R., D. B. Fissel, D. D. Lemon, and R. A. Lake. 1987. Arctic data compilation and appraisal. Volume 14. Northwest Passage: physical oceanography - temperature, salinity, currents, water levels and waves. Revised and updated to include 1820 through 1986. 300 p. (13)
- 37(2) Birch, J. R., L. F. Giovando, and D. B. Fissel. 1986. West coast data inventory and appraisal. Volume 2. Waters west of Vancouver Island and the Queen Charlotte Islands out to the 200-mile fishery limit: physical oceanography - temperature, salinity, currents, water levels and waves, 1905 through 1984. Part 1: 502 p.; Part 2: 324 p. (13)
- 37(3) Thomas, D. J., R. W. Macdonald, and A. G. Francis. 1986. West coast data inventory and appraisal. Volume 3. Dixon Entrance, Hecate Strait, Queen Charlotte Sound and adjoining B.C. coastal waters: chemical oceanography, 1937 through 1984. Part 1: 278 p.; Part 2: 248 p. (13)
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- 39(3) Buckingham, W. R., R. A. Lake, and H. Melling. 1987. Temperature and salinity measurements in the Northwest Passage. Volume 3, March-April, 1984. 604 p. (13)
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45. Lazier, J. R. N., J. R. Buckley, and J. R. Hackett. 1986. Moored current meter data from Belle Isle Bank, June-October, 1981. 67 p. (6)
50. Crawford, W. R., W. S. Huggett, and K. S. Lee. 1987. Water property observations from Queen Charlotte Sound, May and September, 1982. 224 p. (13)
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- 51(2) Buckingham, W. R., R. A. Lake, and H. Melling. 1987. Current and sea-level measurements in the Northwest Passage. Vol. 2, March 1983 - April 1984. 84 p. (13)
- 51(3) Buckingham, W. R., R. A. Lake, and H. Melling. 1987. Current and sea-level measurements in the Northwest Passage. Vol. 3, March 1984 - April 1985. 139 p. (13)
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CANADIAN CONTRACTOR REPORT OF HYDROGRAPHY AND OCEAN SCIENCES/
RAPPORT CANADIEN DES ENTREPRENEURS SUR L'HYDROGRAPHIE ET LES SCIENCES OCEANIQUES

Abbreviation/Abréviation: CH

Contractor reports are unedited, final reports from scientific and technical projects contracted by the Department of Fisheries and Oceans. The contents of the reports are the responsibility of the contractor and do not necessarily reflect the official policies of the Department. If warranted, contractor reports may be rewritten for other publication series of the Department or for publication outside the government.

Contractor reports are not intended for general distribution and the contents must not be referred to in other publications without prior written authorization from the author. The reports are abstracted in *Aquatic sciences and fisheries abstracts* and are indexed annually in the Department's index to scientific and technical publications.

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Les rapports des entrepreneurs ne sont pas préparés en vue d'une vaste distribution et leur contenu ne doit pas être mentionné dans d'autres publications sans l'autorisation écrite préalable de l'auteur. Les rapports sont résumés dans *Aquatic sciences and fisheries abstracts* et figurent dans l'index annuel des publications scientifiques et techniques du Ministère.

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| <p>27. Woods, S. M. (ed.). 1987. Report on Ocean Dumping R and D Pacific Region. Department of Fisheries and Oceans, 1985-86. 39 p. (13)</p> | <p>28. Papadakis, J. E. 1987. On the hydroacoustically inferred morphology of Arctic ice. 48 p. (13)</p> |
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CANADIAN TRANSLATION OF FISHERIES AND AQUATIC SCIENCES/ TRADUCTION CANADIENNE DES SCIENCES HALIEUTIQUES ET AQUATIQUES

Abbreviation/Abréviation: TS

The articles in this series have been translated at the request of Department scientists for use in their research work. Copies of translations may be obtained from Translation Services, Canada Institute for Scientific and Technical Information, National Research Council Canada, Ottawa, Ontario, Canada K1A 0S2

Les scientifiques du Ministère ont demandé de faire traduire les articles de cette série en vue de leurs recherches. On peut obtenir des copies d'articles traduits au Service de traduction de l'Institut canadien de l'information scientifique et technique, Conseil national de recherches Canada, Ottawa (Ontario), Canada K1A 0S2.

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| <p>5244. Tajima, K., T. Sugimoto, N. Nishikawa, S. Torii, T. Ushiro, M. Yuki, A. Ebisu, and I. Isozaki. 1985. Comparison of the gonadal growth of six groups of sea urchins, <i>Strongylocentrotus intermedius</i>, reared by different quantities of Laminaria in polyethylene net cages on the shallow reef of Rumoi, Hokkaido. 14 p. (Translated from Japanese: Hokkaido Wakkanai Suisan Shikenjo Gysokishu Dai 8-shu Hokusuishi Geppo 42: 95-193.)</p> <p>5245. Finogenova, N. P. 1986. Diagnostic characteristics of subfamilies of the Tubificidae family (Oligochaeta). 18 p. (Translated from Russian: Zoologicheskii zhurnal Volume 65(2): 194-202.)</p> | <p>5246. Osland, O., R. Richardson, and T. Vassdal. 1985. Strategy for marketing Norwegian consumer herring. 10 p. (Translated from Norwegian: Fiskeriteknologisk Forskningsinstitut Rapp. 674-7-1 (Table of contents and introduction only.)</p> <p>5246. Osland, O., R. Richardson, and T. Vassdal. (Rev.) 1985. Strategy for marketing Norwegian consumer herring. 93 p. (Translated from Norwegian: Fiskeriteknologisk Forskningsinstitut Rapp. 674-7-1, 91 p.)</p> <p>5247. Olsen, S. O. 1986. Information, communication and dissemination of knowledge. Example: Infofish. 7 p. (Translated from Norwegian:</p> |
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- Fiskeriteknologisk Forskningsinstitutt Rapp. 1986. (Table of contents and summary only).)
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5256. Kohlenberger, H. 1940. To the knowledge of the vasodentine. 25 p. (Translated from German: Zeitschrift für Mikroskopisch - Anatomische Forschung 48: 461-477.)
5257. Hauksson, E. 1984. Food of the common seal (*Phoca vitulina* L.) and grey seal (*Halichoerus grypus* Fabr.) in Icelandic waters. 57 p. (Translated from Icelandic: Hafrannsóknir 30: 27-64.)
5258. Hauksson, E. 1985. Aerial census of grey seal (*Halichoerus grypus* Fabricus) pups in Iceland in 1982. 23 p. (Translated from Icelandic: Náttúrufræðingurinn 55(2): 83-93.)
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5260. Johnsen, J. S. 1981. Profitability, employment and fleet adjustment. 6 p. (Translated from Norwegian: Fiskeriteknologisk Forskningsinstitutt Rapp. (Prosjektnummer 664.1-6 (Abstract, table of contents, and summary only).)
5261. Fasmer, E., I. Kjerstad, J. Løvland, J. A. Olsen, and T. Vassdal. 1984. Multiplier effects in a municipality dependent on fisheries. Total economy fleet/factory. 9 p. (Translated from Norwegian: Fiskeriteknologisk Forskningsinstitutt Rapp. (Prosjektnummer 664.3-1 (Abstract, table of contents, and introduction only).)
5262. Erstad, H. 1983. An analysis of production-related key figures in the Norwegian fishing fleet 1975-80. 6 p. (Translated from Norwegian: Fiskeriteknologisk Forskningsinstitutt Rapp. (Prosjektnummer 664.1-3 (Abstract, table of contents, and summary only).)
5263. Erstad, H. 1982. Energy consumption in the Norwegian fishing fleet, 1971-80. 7 p. (Translated from Norwegian: Fiskeriteknologisk Forskningsinstitutt Rapp. (Prosjektnummer 662.5-1 (Table of contents and abstract only).)
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5269. Eklund, J. 1984. Fish farms polluting the Archipelagic Sea. 9 p. (Translated from Swedish: Finlands natur 43(4): 21-23.)
5270. Anonymous. post-1984. Fishery conservation in river reservoirs. Final report from FAK (The imposition of fishery conservation measures in power plant reservoirs, Part I). 8 p. (Translated from Swedish: Publisher unknown: 5 p.)
5271. Anonymous. 1984. A plan for a water protection programme for the sea off Kuivaniemi with reference to fish farming. Working group proposal. 87 p. (Translated from Finnish: Vesihallituksen monistesarja 298: 65 p.)
5272. Mäkinen, T. 1984. Reduction of the pollution effects of a net cage station. 4 p. (Translated from Finnish: Suomen kalankasvattaja 4: 14.)
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5275. Salonen, S., and T. Ojanen. 1984. Some aspects of licencing conditions applying to licences granted to fish farms by the Water Rights Court. 4 p. (Translated from Finnish: Suomen kalankasvattaja 4: 24.)
5276. Ojanen, T., and S. Salonen. 1984. Licencing requirements of fish farms and control under the Water Rights Act. 3 p. (Translated from Finnish: Suomen kalankasvattaja 4: 16.)
5277. Fedoseev, G. A. 1964. On the embryonic and postembryonic growth and sexual maturity of Okhotsk ringed seal. 14 p. (Translated from Russian: Zoologicheskii zhurnal 43(8): 1228-1235.)
5278. Roth, E. 1984. The fishing sector in Esbjerg. Part I. Description of status of the fishing sector in Esbjerg. 8 p. (Translated from Danish: Fiskeriøkonomisk Institut (Denmark): 6 p. (Table of contents and introduction only).)
5279. Roth, E. 1984. The fishing sector in Esbjerg. Part II. Analysis of the limitations on development in the Esbjerg fishing sector. 4 p. (Translated from Danish: Fiskeriøkonomisk Institut (Denmark): 2 p. (Table of contents only).)
5280. Frost, H. 1983. Economic consequences of re-opening the herring fishery in the North Sea. 4 p. (Translated from Danish: Fiskeriøkonomisk Institut (Denmark): 4 p. (Foreword and table of contents only).)
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5282. Anonymous. 1981. Regulations for salted fish and klipfish. 53 p. (Translated from Norwegian: Norwegian Fisheries Regulations 13: 346-359.)
5283. Korhonen, K. 1984. The possibilities for greater production and a small loading. 4 p. (Translated from Finnish: Suomen kalankasvattaja 1: 17-18.)
5284. Eklund, E. 1983. The biological and social effects of fish farming on the Finnish coast. 11 p. (Translated from Finnish: Ymparisto ja terveys 14(5): 335-339.)
5285. Butorina, T. Ye. 1985. Some questions on the population biology of helminths of salmonid fish of Lake Azabache (Kamchatka). 19 p. (Translated from Russian: Biological Investigations of Salmonids: 169-184.)

5286. Snimshchikova, L. N. 1986. *Parahyacadrilus* gen. n. (Oligochaeta, Tubificidae). 12 p. (Translated from Russian: Zoologicheskii zhurnal 65(2): 203-207.)
5287. Semernoi, V. P. 1985. The genus *Chaetogaster* Baer (Oligochaeta, Naididae). 22 p. (Translated from Russian: Bespozvonochnye i ryby: 28-39.)
5288. Snimshchikova, L. N. 1985. Tubificids (Oligochaeta, Tubificidae) of northern Lake Baikal. 35 p. (Translated from Russian: Bespozvonochnye i ryby: 39-61.)
5289. Taniguchi, M. 1983. Effects of the food quality on the appearance of yellowtail streptococciosis. 10 p. (Translated from Japanese: Nihon Suisan Gakkaishi 3(40): 363-366.)
5290. Sato, O., K. Yokoyama, H. Ogawa, H. Soyama, and S. Ito. 1967. Tests in artificial scallop seed collection 1967. 15 p. (Translated from Japanese: Aomori-ken Mutsu-wan Suisan Zoshoku Kenkyusho Shiryo 2: 1-12.)
5291. Hayakawa, Y., S. Nishiyama, and T. Hondo. 1969. The production of scallop seed. 14 p. (Translated from Japanese: Aomori-ken Suisan Zoshoku Kenkyusho Jigyo Gaiyo: 275-282.)
5292. Hayakawa, Y., S. Nishiyama, and T. Hondo. 1974. The production of scallop seed in 1970. 6 p. (Translated from Japanese: Aomori-ken Suisan Zoshoku Kenkyusho Jigyo Gaiyo 3: 5-7.)
5293. Hayakawa, Y., S. Nishiyama, and T. Hondo. 1974. The production of scallop seed in 1971. 11 p. (Translated from Japanese: Aomori-ken Suisan Zoshoku Kenkyusho Jigyo Gaiyo 3: 8-13.)
5294. Tanaka, T., A. Sato, and K. Kawamura. 1974. The production of scallop seed. 4 p. (Translated from Japanese: Aomori-ken Suisan Zoshoku Kenkyusho Jigyo Gaiyo 3: 100-102.)
5295. Tanaka, T., A. Sato, and K. Kawamura. 1975. The production of scallop seed. 8 p. (Translated from Japanese: Aomori-ken Suisan Zoshoku Kenkyusho Jigyo Gaiyo 4: 47-50.)
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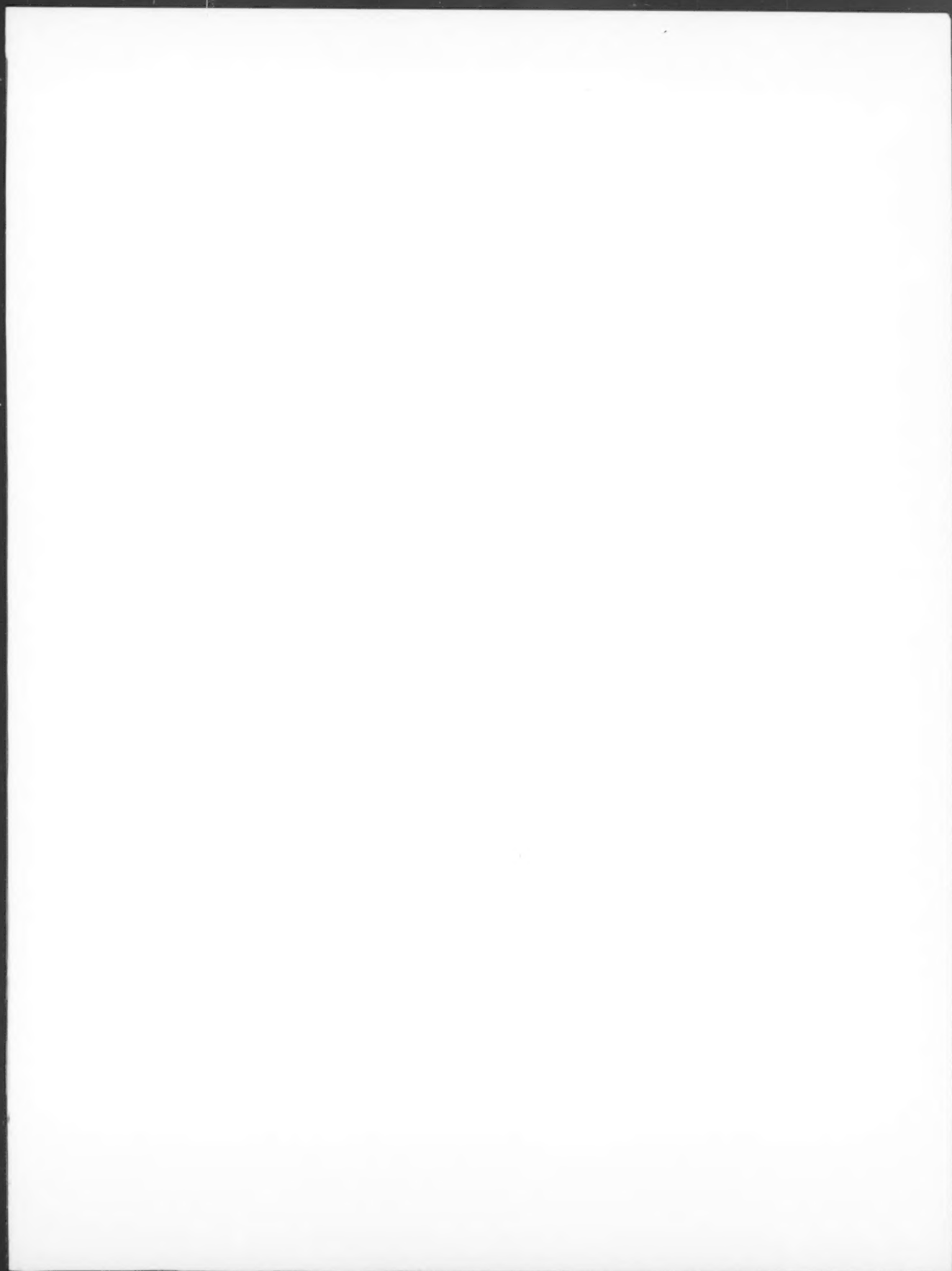
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